R28. Administrative Services, Fleet Operations, Surplus Property.

R28-3. Utah State Agency for Surplus Property Adjudicative Proceedings.

R28-3-1. Purpose.

As required by the Utah Administrative Procedures Act, this rule provides the procedures for adjudicating disputes brought before the Utah State Agency for Surplus Property under the authority granted by Sections 63A-2-301 through 308.

R28-3-2. Definitions.

Terms used are as defined in Section 63-46b-2, except "USASP" means the Utah State Agency for Surplus Property, and "superior agency" means the Department of Administrative Services.

R28-3-3. Proceedings to be Informal.

All matters over which the USASP has jurisdiction including bid validity determination and sales issues, which are subject to Title 63, Chapter 46b, will be informal in nature for purposes of adjudication. The Director of the USASP or his designee will be the presiding officer.

R28-3-4. Procedures Governing Informal Adjudicatory Proceedings.

1. No response need be filed to the notice of agency action or request for agency action.

2. The USASP may hold a hearing at the discretion of the USASP director unless a hearing is required by statute. A request for hearing must be made within ten days after receipt of the notice of agency action or request for agency action.

3. Only the parties named in the notice of agency action or request for agency action will be permitted to testify, present evidence and comment on the issues.

4. A hearing will be held only after timely notice of the hearing has been given.

5. No discovery, either compulsory or voluntary, will be permitted except that all parties to the action shall have access to information and materials not restricted by law.

6. No person may intervene in an agency action unless federal statute or rule requires the agency to permit intervention.

7. Any hearing held under this rule is open to all parties.

8. Within thirty days after the close of any hearing, the USASP director shall issue a written decision stating the decision, the reasons for the decision, time limits for filing an appeal with the director of the superior agency, notice of right of judicial review, and the time limits for filing an appeal to the appropriate district court.

9. The USASP director's decision shall be based on the facts in the USASP file and if a hearing is held, the facts based on evidence presented at the hearing.

10. The agency shall notify the parties of the agency order by promptly mailing a copy thereof to each at the address indicated in the file.

11. Whether a hearing is held or not, an order issued under the provisions of this rule shall be the final order of the superior agency, and then may be appealed to the appropriate district court.

KEY: surplus property, appellate procedures
1988 63A-2-301
Notice of Continuation November 17, 1998 63-46b

R58. Agriculture and Food, Animal Industry.

R58-1. Admission and Inspection of Livestock, Poultry, and Other Animals.

R58-1-1. Authority.

A. Promulgated under the authority of Title 4, Chapter 31 and Subsections 4-2-2(1)(c)(i), 4-2-2(1)(j).

B. Intent: It is the intent of these rules to eliminate or reduce the spread of diseases among livestock by providing standards to be met in the movement of livestock within the State of Utah, INTRASTATE, and Import movements, INTERSTATE, of livestock, poultry and other animals.

R58-1-2. Definitions.

A. "Approved Livestock Market" - A livestock market which meets the requirements as outlined in 9 CFR 78, January 1, 1997 edition, Title 4, Chapter 30, and Rule R58-7.

B. "Livestock Market Veterinarian" - A Utah licensed and accredited veterinarian appointed by the Department of Agriculture and Food to work in livestock markets in livestock health and movement matters.

C. "Official Random Sample Test, 95/10" - A sampling procedure utilizing official pseudorabies serologic tests which provides a 95 percent probability of detecting infection in a herd in which at least 10 percent of the swine are seropositive for pseudorabies. Each segregated group of swine on an individual premises must be considered a separate herd and sampled as follows:

Less than 100 head -- Test 25

100 - 200 head ----- Test 27

201 - 999 head ----- Test 28

1,000 and over ----- Test 29

D. "Official Random Sample Test, 95/5" - A sampling procedure utilizing official pseudorabies serologic tests which provides a 95 percent probability of detecting infection in a herd in which at least five percent of the swine are seropositive for pseudorabies. Each segregated group of swine on an individual premises must be considered a separate herd and sampled as follows:

Less than 100 head -- Test 45

100 - 200 head ----- Test 51

201 - 999 head ----- Test 57

1,000 and over ----- Test 59

E. "Qualified Feedlot" - A feedlot approved by the Utah Department of Agriculture and Food to handle INTRASTATE heifers, cows or bulls which originate from Utah herds. These animals shall be confined to a drylot area which is used to upgrade or finish feeding animals going only to slaughter.

F. "Reportable Disease List" - A list of diseases and conditions developed by the state veternarian that may affect the health and welfare of the animal industry of the state, reportable to the state veterinarian.

G. "Test Eligible Cattle" - All cattle or bison over six months of age, except:

1. Steers, spayed heifers;

2. Official calfhood vaccinates of dairy breeds under 20 months of age and beef breeds under 24 months of age which are not parturient, springers, or post parturient;

3. Official calfhood vaccinates, dairy or beef breeds of any age, which are Utah Native origin.

4. Utah Native Bulls from non-infected herds.

H. "Official Calfhood Vaccinate" - Female cattle of a dairy breed or beef breed vaccinated by a Veterinary Services representative, State certified technician, or accredited Veterinarian with an approved dose of Brucella Abortus RB51 Vaccine or other USDA approved agent while from 4 to 12 months of age in accordance with its labeling. These cattle must be properly identified by official tattoos and ear tag or registration tattoo and be reported on an official vaccination certificate within 30 days to the State Veterinarian.

I. "Exposed Animal", "Reactor", "Suspect", as defined in the United States Department of Agriculture; Animal and Plant Health Inspection Service and Veterinary Services Brucellosis Eradication Uniform Methods and Rules and 9 CFR 78.

J. "Approved Livestock Dealer handling facilities." A Livestock facility approved by the Utah Department of Agriculture and Food to handle Livestock for testing vaccination in change of ownership. The Facility will maintain chutes for handling of cattle. Also separate pens for corralling of cattle.

K. "Common Grazing Allotment." Lands grazed by cattle belonging to more than one owner per allotment and where such lands are administered by a government entity or grazing association.

R58-1-3. Intrastate Cattle Movement - Rules - Brucellosis.

A. Vaccination eligible female calves: All vaccination eligible heifer calves between the ages of four to 12 months shall be vaccinated for brucellosis with an approved vaccine as official vaccinates before change of ownership in commerce at ranch, farm, livestock market or at a Utah approved bonded dealer's facility at the owner's expense.

B. Change of Ownership: "Test Eligible Cattle" Test eligible cattle which are changing ownership will be tested or moved only to:

1. To a qualified feedlot, or

2. For immediate slaughter to a slaughtering establishment where Federal or State inspection is maintained, or

3. To a State or Federal approved market, or

4. To a Utah licensed bonded dealer with Department of Agriculture and Food approved handling facility to be tested or vaccinated or inspected by an accredited Veterinarian

5. To be moved INTERSTATE in accordance with INTERSTATE rules.

6. Utah Department of Agriculture and Food Brand Inspectors will help regulate Intrastate movement of cattle according to Brucellosis rules at the time of change of ownership inspection.

R58-1-4. Interstate Importation Standards.

A. No animal, poultry or bird of any species or other animal including wildlife, that is known to be affected with or has been exposed to a contagious, infectious or communicable disease, or that originates from a quarantined area, shall be shipped, transported or moved into the State of Utah until written permission for such entry is first obtained from Veterinary Services Division, United States Department of Agriculture, Animal and Plant Health Inspection Service, and Utah Department of Agriculture and Food, State Veterinarian or

Commissioner of Agriculture and Food.

B. Certificate of Veterinary Inspection. An official Certificate of Veterinary Inspection issued by an accredited veterinarian is required for importation. A copy of the certificate shall be immediately forwarded to the Utah Department of Agriculture and Food by the issuing veterinarian or the livestock sanitary official of the state of origin.

C. Permits. Livestock, poultry and other animal import permits may be issued by telephone to the consignor, a consignee or to an accredited veterinarian responsible for issuing a Certificate of Veterinary Inspection, and may be obtained from the Utah Department of Agriculture and Food, 350 North Redwood Road, PO Box 146500, Salt Lake City, Utah 84114-6500, Phone (801) 538-7164; after hours and weekends, (801) 882-0217; (801) 773-5656.

R58-1-5. Cattle.

A. Import Permit and Certificate of Veterinary Inspection.

1. No cattle may be imported into Utah without an import permit issued by the Department of Agriculture and Food. A Certificate of Veterinary Inspection and an import permit must accompany all cattle imported into the state. All cattle must carry some form of individual identification, a brand registered with an official brand agency, ear tag or a registration tattoo. Identification must be listed on the Certificate of Veterinary Inspection. Official individual identification used for testing purposes must be shown on the Certificate of Veterinary Inspection. The import permit number must be listed on the Certificate of Veterinary Inspection. This includes exhibition cattle. Commuter cattle are exempt as outlined in Subsection R58-1-5(B).

2. The following cattle are exempted from (1) above:

a. Cattle consigned directly to slaughter at a state or federally inspected slaughter house; and

b. Cattle consigned directly to a State or Federal approved Auction Market.

c. Movements under Subsections R58-1-5(A)(2)(a), and R58-1-5(A)(2)(b) must be in compliance with state and federal laws and regulations and must be accompanied by a weighbill, brand certificate, or similar document showing some form of positive identification, signed by the owner or shipper stating the origin, destination, number and description of animals and purpose of movement.

B. Commuter Cattle. Commuter, temporary grazing, cattle may enter Utah or return to Utah after grazing if the following conditions are met.

1. A Certificate of Veterinary Inspection or a commuter permit approved by the import state and the State of Utah must be obtained prior to movement into Utah. This will allow movements for grazing for current season if the following conditions are met:

a. All cattle shall meet testing requirements as to State classification for interstate movements as outlined in 9 CFR 1-78; USDA, Animal and Plant Health Inspection Services, Brucellosis Eradication, Uniform Methods and Rules, May 6, 1992 and approved by cooperating States.

b. Commuter cattle shall not be mixed with quarantined, exposed, or suspect cattle nor change ownership during the grazing period.

2. No quarantined, exposed or reactor cattle shall enter Utah.

C. Brucellosis. Prior to importation of cattle into Utah the following health restrictions must be met.

1. Heifers of vaccination age between four and 12 months must be officially vaccinated for brucellosis prior to entering Utah. All female cattle imported after July 1, 1984, must have a legible brucellosis calfhood vaccination tattoo to be imported or sold within the State of Utah, unless going directly to slaughter or qualified feedlot to be sold for slaughter or to an approved market to be sold for slaughter or for vaccination.

a. Heifers of vaccination age may be vaccinated upon arrival by special permit.

2. A negative test for brucellosis is required prior to movement into Utah for the following test-eligible cattle:

a. Bulls over 12 months must have a negative blood test for brucellosis within 30 days prior to movement. The entry of vaccinated bulls is not permitted.

b. All vaccinated dairy cattle over 20 months and all beef cattle over 24 months except those originating in a certified brucellosis free herd or in a free state from a certified breeders herd of origin.

c. There may be an epidemiologic surveillance of imported cattle that remain in Utah, and they may be subject to a 45-120 day retest at owner's expense as determined by a brucellosis epidemiologist. Import cattle which are resold to leave the State before retest day, are free to move.

3. A brucellosis test is not required for:

a. Vaccinated cattle from a Brucellosis Certified Free Herd or Certified Breeding Herds from free states. Brucellosis Certified Free Herd number, date and results of last test must be entered on the Certificate of Veterinary Inspection.

b. Official vaccinated female dairy cattle under 20 months or official vaccinated female beef cattle under 24 months age. The Certificate of Veterinary Inspection must show vaccination tattoo and the official ear tag number or registration tattoo.

c. Steers and spayed heifers.

4. State Brucellosis Classification Requirements:

a. Cattle for breeding purposes from Class A States moving from farm of origin or Livestock market to the State of Utah:

(1) Permit.

(2) Official Vaccination for Brucellosis

(3) Negative Brucellosis test within 30 days before moving.

(4) A post movement test in 45 to 120 days after arrival.

b. Cattle for breeding from Class B States moving from farm of origin or livestock market into the State of Utah:

(1) Permit.

(2) Official Vaccination for Brucellosis.

(3) Negative Brucellosis test within 30 days.

(4) Quarantined for retest in 45 to 120 days after arrival.

c. Cattle for breeding from Class C States moving from farm of origin or livestock market into the State of Utah:

(1) Permit.

(2) Official Vaccination for Brucellosis.

(3) Two consecutive negative tests at least 60 days apart.

(4) Certificate.

(5) Quarantined for retest 45 to 120 days after arrival.

5. No reactor cattle or cattle from herds under quarantine for brucellosis will be allowed to enter the state except when consigned to a slaughtering establishment where recognized state or federal meat inspection is maintained. An import permit and a Veterinary Services Form 1-27 prior to shipment are also required.

6. Entry of cattle which have been retattooed is not permitted unless they are moved for immediate slaughter to a slaughtering establishment where state or federal inspection is maintained or to not more than one state or federal approved market for sale to a qualified feedlot or slaughtering establishment.

7. Entry of cattle which have been adult vaccinated is not permitted unless they are for immediate slaughter where state or federal inspection is maintained.

D. Tuberculosis.

A negative test is required within 60 days prior to shipment for all breeding cattle originating within a quarantined area or from reactor or exposed herds.

E. Scabies.

No cattle affected with, or exposed to scabies shall be trailed, driven, shipped or otherwise moved into Utah. Cattle from a county where scabies have been diagnosed during the past 12 months must be officially treated within 10 days prior to shipment into Utah. The date of treating and products used must be shown on the Certificate of Veterinary Inspection; also the approved vat number and location.

F. Splenic or Tick Fever. No cattle infested with ticks, Margaropus annulatus, or exposed to tick infestations shall be shipped, trailed, or driven, or otherwise imported into the State of Utah for any purpose.

G. Exhibitions, Fairs, and Shows.

1. Dairy cattle and cattle for breeding purposes imported for exhibition or show purposes only to be returned to state of origin may enter provided:

a. The cattle are accompanied by the proper Certificate of Veterinary Inspection and import permit.

b. The cattle must have negative T.B. test within 60 days if coming from quarantined T.B. areas or exposed or reactor herds.

c. The cattle must have a negative brucellosis test within 30 days prior to entrance. Vaccinates under age are acceptable.

H. Trichomoniasis.

1. All Utah resident bulls over nine months of age, going onto a common grazing allotment, must test negative for Trichomoniasis. Testing shall be conducted annually within three months prior to a bulls exposure to cows and entering the common grazing allotment; except that testing performed at the conclusion of the previous breeding season will be acceptable for the current breeding season provided that the bulls have had no exposure to females in the interim.

2. All breeding bulls entering Utah which are over nine months of age, must test negative for Trichomoniasis by an accredited veterinarian within 30 days prior to entry into Utah.

3. Any Certificate of Veterinary Inspection issued for bulls covered under this rule, shall bear the statement, "Trichomoniasis has not been diagnosed in the herd of origin within the last 12 months."; except that, bulls from herds that have tested positive for Trichomoniasis within the previous 12 months are required to have three negative tests, no less than one week apart, prior to entry into Utah.

4. All Utah bulls which are tested shall be tagged with a current Official State of Utah Trichomoniasis test tag by the accredited veterinarian performing the test. Official tags shall be only those as are authorized by the Utah Department of Agriculture and Food, and approved by the State Veterinarian's office. Bulls entering the State of Utah under the provisions of this rule may be tagged upon arrival by an accredited veterinarian upon receipt of the Trichomoniasis test charts from the testing veterinarian.

5. Trichomoniasis testing in Utah shall be performed only by approved laboratories or accredited veterinarians whose laboratory procedures have been certified by the Utah Department of Agriculture and Food. An "official test" shall be one that is received by the lab within 48 hours of collection and shall not have been subjected to extreme temperatures in excess of 85 degrees Fahrenheit, or freezing, for a period of time longer than ten minutes. Test samples not meeting this criteria will be discarded. Acceptable media shall be Diamond's Media, or the "pouch" method, or other department approved transport media.

6. All bulls testing positive for Trichomoniasis must be reported immediately to the owner and the State Veterinarian by the veterinarian and laboratory performing the test. The owner shall be required to notify fellow members of the common grazing allotment and neighboring (contiguous) cattlemen within ten days following such notification by his veterinarian or laboratory.

7. Exceptions to the above rules shall include dairy bulls in total confinement operations, bulls consigned directly to slaughter at an approved slaughter facility, and bulls consigned directly to a "Qualified Feedlot" for finish feeding and slaughter.

8. Within 14 days, all bulls which test positive to Trichomoniasis must go directly to slaughter at an approved slaughter facility, or to a "Qualified Feedlot" for finish feeding and slaughter, or to an approved auction market for sale to slaughter only. Such bulls going to slaughter shall carry a VS 1-27 form issued by the testing veterinarian or other regulatory official.

9. Out of state "commuter" cattle grazing in Utah shall, also, be required to meet the requirements of Section R58-1-5-H.

10. To reduce the threat of this disease, the Utah Department of Agriculture and Food, in conjunction with Utah State University, shall provide an educational program to inform cattle producers of the need to test for Trichomoniasis and the details of this program. This information shall be available upon request from the department.

R58-1-6. Horses, Mules, and Asses.

Horses, mules and asses may be imported into the State of Utah when accompanied by an official Certificate of Veterinary Inspection. The certificate must state that the equine animals described were examined on the date indicated and found free from symptoms of any infectious or communicable disease such as CEM, Contagious Equine Metritis, and EIA, Equine Infectious Anemia. The Certificate of Veterinary Inspection must show a negative coggins test within one year previous to the time the certificate was issued. Utah horses returning to

Utah as part of a commuter livestock shipment are exempted from the Certificate of Veterinary Inspection requirements; however, a valid Utah horse travel permit as outlined under Sections 4-24-22 or 4-24-23 and Section R58-9-4 is required for re-entering Utah.

R58-1-7. Swine.

A. Stocking, Feeding, and Breeding swine. Swine for stocking, breeding, feeding or exhibition may be shipped into the state if the following requirements are met:

1. Import Permit and Certificate of Veterinary Inspection - All swine must be accompanied by an approved Certificate of Veterinary Inspection stating they are clinically free from infectious or contagious disease or exposure and have not been fed raw garbage. The Certificate of Veterinary Inspection must show individual identification, ear tags, tattoos, registration numbers, micro chips or other permanent means. An import permit issued by the Department of Agriculture and Food must accompany all hogs, including feeder hogs imported into the state.

2. Vaccination and Test Status. The Certificate of Veterinary Inspection must list the vaccination status for erysipelas, and leptospirosis, and the brucellosis, leptospirosis, and pseudorabies test status of the animals.

3. Quarantine - All swine shipped into the state for feeding or breeding purposes are subject to an 18 day quarantine beginning with the date of arrival at destination. The department shall be notified by the owner of date of arrival. Release from quarantine shall be given by the department only when satisfied that health conditions are satisfactory.

4. Brucellosis - All breeding and exhibition swine over the age of three months shipped into Utah must pass a negative test for brucellosis within 30 days prior to movement into the state or originate from a validated brucellosis free herd. A validated brucellosis free herd number and date of last test is required to be listed on the Certificate of Veterinary Inspection.

5. Pseudorabies - All breeding, feeding and exhibition swine must pass a negative pseudorabies test within the last thirty days unless they originate from a recognized qualified pseudorabies free herd. However, feeder swine may come into the state from a herd of origin in a Stage III, IV, or V state as classified by the Official Pseudorabies Eradication Program Standards 6-19-91. Copies may be obtained from Livestock Conservation Institute, 6414 Copps Ave. #204, Madison, WI. 53718, Phone: 608-221-4848. A 30 day retest is required on all breeding and exhibition swine brought into the state. Commercial feedlots will be tested annually by an official random sample test, 95/10. Swine which are infected or exposed to pseudorabies may not enter the state, except swine consigned to a slaughterhouse for immediate slaughter and must be moved in compliance with 9 CFR 1-71.

6. Erysipelas - Purebred and breeding swine shall be immunized with erysipelas bacterin not less than 15 days prior to importation.

7. Leptospirosis - All breeding exhibition swine over four months of age shall have passed a negative leptospirosis test within 30 days of entry, or be part of an entire negative herd test within the previous 12 months or be vaccinated for leptospirosis at least 15 days prior to entry. Herd and vaccination status must be stated on the Certificate of Veterinary Inspection.

B. Immediate Slaughter

Swine shipped into Utah for immediate slaughter must not have been fed raw garbage, must be shipped in for immediate slaughter with no diversions, and must be free from any infectious or contagious disease in compliance with 9 CFR 71.

R58-1-8. Sheep.

A. All sheep imported must be accompanied by a Certificate of Veterinary Inspection certifying the sheep are free of communicable diseases or exposure.

1. Blue Tongue. No sheep infected with or exposed to blue tongue may enter Utah. No sheep from an area under quarantine because of blue tongue may be transported into Utah without obtaining an import permit and a Certificate of Veterinary Inspection certifying that the sheep have originated from a flock free of blue tongue and have been vaccinated against blue tongue at least 30 days prior to entry.

2. Foot Rot. Sheep must be thoroughly examined for evidence of foot rot. The Certificate of Veterinary Inspection must certify that the sheep were examined and are free from foot rot.

R58-1-9. Poultry.

All poultry imported into the state shall comply with Title 4, Chapter 29 and R58-6 governing poultry which requires a prior permit from the Department of Agriculture and Food. This number can be called for information concerning permits: (801) 538-7164.

R58-1-10. Goats and Llamas.

A. Goats being imported into Utah must meet the following requirements:

1. Dairy goats must have a permit from the Department of Agriculture and Food (phone 801-538-7164) and, an official Certificate of Veterinary Inspection showing a negative tuberculosis test within 60 days, and a negative brucellosis test within 30 days prior to entry or be from a certified brucellosis free herd and tuberculosis free area. They must be free of communicable diseases or exposure thereto; there must be no evidence of Caseous Lymphadenitis (abscesses).

2. Meat type goats must have a Certificate of Veterinary Inspection indicating they are free from any communicable diseases or exposure and that there is no evidence of caseous lymphadenitis (abscesses).

3. Exemption - Goats for slaughter may be shipped into Utah directly to a slaughtering establishment or to a state and federally approved auction market for sale to such slaughtering establishment. However, they must be accompanied by a Certificate of Veterinary Inspection indicating they are free from any communicable diseases or exposure and that there is no evidence of caseous lymphadenitis, abscesses.

B. Llamas shall be accompanied by:

1. a Certificate of Veterinary Inspection;
2. Negative TB test within 60 days;
3. Negative Brucellosis within 30 days.

R58-1-11. Psittacine Birds.

No Psittacine birds shall be shipped into the State of Utah

unless a permit is obtained from the Department prior to importation. Request for a permit must be made by an accredited veterinarian certifying that the birds are free from any symptoms of any infectious, contagious or communicable disease. The request must also state the number and kinds of birds to be shipped into Utah, their origin, date to be shipped and destination, all listed on the Certificate of Veterinary Inspection.

R58-1-12. Dogs and Cats.

All dogs and cats shall be accompanied by an official Certificate of Veterinary Inspection, showing vaccination against rabies within 12 months if over 4 months of age. The date of vaccination, name of product used, and expiration date must be given.

R58-1-13. Game and Fur-Bearing Animals.

A. Contagious or Communicable Disease. No game or fur bearing animals will be imported into Utah without a prior permit being obtained from the Department. Each shipment shall be accompanied by an official Certificate of Veterinary Inspection certifying they are free from all contagious and communicable diseases and exposure thereto.

B. Mink.

All mink entering Utah shall have originated on ranches or herds where virus enteritis has not been diagnosed within the past three years.

R58-1-14. Zoo Animals.

The entry of common zoo animals, as monkeys, apes, baboons, rhinoceros, giraffes, zebras, elephants, to be kept in zoos, or shown at exhibitions is authorized when a permit has been obtained from the Department. Movement of these animals must also be in compliance with the Federal Animal Welfare Act, 7 USC 2131-2156.

R58-1-15. Wildlife.

It is unlawful for any person to import into the State of Utah any species of live native or exotic wildlife except as provided in Title 23, Chapter 13. Fish and Wildlife Services, 1596 West North Temple, Salt Lake City, Utah 84116, (801) 538-4887. All wildlife imports shall meet the same Department requirements as the domestic animals.

R58-1-16. Duties of Carriers.

Owners and operators of railroads, trucks, airplanes, and other conveyances are forbidden to move any livestock, poultry, or other animals into or within the State of Utah or through the State except in compliance with the provisions set forth in these rules.

A. Sanitation. All railway cars, trucks, airplanes, and other conveyances used in the transportation of livestock, poultry or other animals shall be maintained in a clean, sanitary condition.

B. Movement of Infected Animals. Owners and operators of railway cars, trucks, airplanes, and other conveyances that have been used for movement of any livestock, poultry, or other animals infected with or exposed to any infectious, contagious, or communicable disease as determined by the Department, shall be required to have cars, trucks, airplanes, and other conveyances thoroughly cleaned and disinfected under official supervision before further use is permissible for the transportation of livestock, poultry or other animals.

C. Compliance with Laws and Rules. Owners and operators of railroad, trucks, airplanes, or other conveyances used for the transportation of livestock, poultry, or other animals are responsible to see that each consignment is prepared for shipment in keeping with the State and Federal laws and regulations. Certificate of Veterinary Inspection, brand certificates, and permits should be attached to the waybill accompanying attendant in charge of the animals.

KEY: disease control
November 17, 1998 4-31
Notice of Continuation June 19, 1997 4-2-2(1)(j)

R68. Agriculture and Food, Plant Industry.
R68-3. Utah Fertilizer Act Governing Fertilizers and Soil Amendments.
R68-3-1. Authority.

Promulgated under authority of Section 4-2-2 and 4-13-4.

R68-3-2. Registration of Products.

A. All fertilizer or soil amendment products distributed in Utah shall be officially registered with the Utah Department of Agriculture and Food.

1. Application for registration shall be made to the Department upon forms prescribed and provided by the Department and shall include the following information for each product:

a. The net weight,

b. The brand and grade,

c. The guaranteed analysis,

d. The name and address and phone number of the registrant.

e. The label for each product registered.

f. Any waste-derived fertilizer distributed as a single ingredient product or blended with other fertilizer ingredients must be identified as "waste-derived fertilizer" by the registrant in the application for registration. "Waste-derived fertilizer" shall include any commercial fertilizer that is derived from an industrial byproduct, coproduct or other material that would otherwise be disposed of if a market for reuse were not an option, but does not include fertilizers derived from biosolids or biosolids products regulated under Environmental Protection Agency Code of Federal Regulation, Section 503.

g. The registrant of a waste-derived fertilizer shall state in the application for registration the levels of non-nutritive metals (including but not limited to arsenic, cadmium, mercury, lead and selenium). The registrant will provide a laboratory report or other documentation verifying the levels of the non-nutritive metals in the waste-derived fertilizer.

2. The Commissioner may require submission of the complete formula of any fertilizer or soil amendment if it shall be deemed necessary for administration of the Utah Fertilizer Act. If it appears to the Commissioner that the composition of the product is such as to warrant the proposed claims for it, and if the product and its labeling and any other information which may be required to be submitted comply with the requirements of the act, the products shall be registered.

a. Before registering any soil amendment the Commissioner shall require evidence to substantiate the claims made for the soil amendment and proof of the value and usefulness of the soil amendment. Such supportive data shall accompany the application for registration and shall be obtained from one or more State Experiment Stations. Cost for such research shall be the responsibility of the applicant. Final decision concerning registration of a soil amendment shall be made by the Commissioner following evaluation of all evidence presented.

3. The registrant is responsible for the accuracy and completeness of all information submitted concerning application for registration of a fertilizer or soil amendment product.

4. Once a fertilizer or soil amendment is registered under the act, no further registration is required, as long as the label does not differ in any respect.

5. Whenever the name of fertilizer or soil amendment product is changed or there are changes in the product ingredients or guaranteed analysis, a new registration shall be required. Other labeling changes shall not require re-registration, but the registrant shall submit copies of all changes to the Department as soon as they are effective. A reasonable time may be permitted to dispose of properly labeled stocks of the old product.

6. A registration fee determined by the department pursuant to Subsection 4-2-2(2), per product shall be paid by the applicant annually.

7. Each registration is renewable for a period of one year upon payment of the annual renewal fee determined by the department pursuant to Subsection 4-2-2(2), per product which shall be paid on or before December 31 of each year. If the renewal of a fertilizer or soil amendment registration is not filed prior to January 1 of any year, an additional fee of $5.00 shall be assessed and added to the original registration fee and shall be paid by the applicant before the registration renewal for that fertilizer or soil amendment shall be issued.

8. A distributor is not required to register each grade of commercial fertilizer or soil amendment formulated by a consumer before mixing, but is required to register the name under which the business of blending or mixing is conducted and to pay an annual blender's license fee determined by the department pursuant to Subsection 4-2-2(2). A blender's license shall expire at midnight on December 31 of the year in which it is issued. A blender's license is renewable for a period of one year upon the payment of an annual license renewal fee. For Each renewal of a fertilizer or soil amendment blender's license not filed prior to January 1 of any one year, an additional fee of $5.00 shall be assessed and added to the original license fee and shall be paid by the applicant before the license shall be issued.

9. Beginning January 1, 1991 and on a semi-annual basis, fertilizer and soil amendment products sold in the State of Utah will be assessed a fee determined by the department pursuant to Subsection 4-2-2(2). This assessment shall be paid by the manufacturer or distributor on or before February 1st each year for the sales period July 1 through December 31 and again on or before August 1st each year for the sales period January 1 through June 30. The amount of assessment will be determined by records of the previous six month's sales.

R68-3-3. Product Labeling.

A. Each container of packaged fertilizer distributed in Utah shall bear a label showing the following information:

1. net weight,
2. brand and grade,
3. guaranteed analysis,
4. name and address of the registrant,
5. lot number.

B. Each container of packaged soil amendment distributed in Utah shall bear a label showing the following:

1. net weight,
2. brand name,
3. name and percentages of the soil amending ingredients,
4. purpose of product,

5. directions for application of product,

6. name and address of the registrant,

7. lot number.

C. When any reference is made upon the label, labeling, or graphic material of a commercial fertilizer or soil amendment to "trace elements," "minor elements," "secondary elements," "plant foods" or similar generalized terms, each individual plant food to which such term refers must be listed upon the label.

D. No guarantee for a plant food element may be shown upon a label which is not listed upon the application for registration of the fertilizer or soil amendment material.

E. If guarantees for secondary plant foods and trace elements are listed upon the label of a fertilizer of soil amendment, they must be represented in terms of the element, and the minimum among of each which may be guaranteed in the labeling of any fertilizer or soil amendment product is as follows:

TABLE

Calcium (Ca)	1.00%	Copper (Cu)	0.05%
Magnesium (Mg)	0.50%	Iron (Fe)	0.10%
Sulfur (S)	1.00%	Manganese (Mn)	0.05%
Boron (B)	0.02%	Molybdenum (Mo)	0.0005%
Cobalt (Co)	0.0005%	Sodium (Na)	0.10%
Chlorine (Cl)	0.10%	Zinc (Zn)	0.05%

F. No specialty fertilizer label shall bear a statement that connotes or infers the presence of a slowly available plant nutrient unless the nutrient or nutrients are identified. When a fertilizer label infers or connotes that the nitrogen is slowly available through use of "organic," "organic nitrogen," "ureaform," "long lasting," or similar terms, the guaranteed analysis must indicate the percentage of water insoluble nitrogen in the material. When the water insoluble nitrogen is less than 15% of the total nitrogen, the label shall bear no reference to "long lasting," "organic," or similar terms.

G. Pesticides may be added to registered fertilizers or soil amendments provided:

1. The fertilizers and soil amendments and the pesticides are officially registered.

2. Each container or package containing a fertilizer or soil amendment pesticide mixture shall have attached a label showing the information stated in Subsection R68-3-2(2)(a) of these rules and in Section 4-14-4.

R68-3-4. Deficiencies of Ingredients.

A commercial fertilizer shall be deemed deficient if the analysis of nutrients is below the guarantee by an among exceeding the values in the following schedule or if the overall index value of the fertilizer is below 98%.

TABLE

ALLOWABLE DEFICIENCIES

Guarantee Percent	Nitrogen Percent	Available Phosphoric Acid	Potash Percent
04 or less	0.49	0.67	0.41
05	0.51	0.67	0.43
06	0.52	0.67	0.47
07	0.54	0.68	0.53
08	0.55	0.68	0.60
09	0.57	0.68	0.65
10	0.58	0.69	0.70
12	0.61	0.69	0.79
14	0.63	0.70	0.87
16	0.67	0.70	0.94
18	0.70	0.71	1.01
20	0.73	0.72	1.08
22	0.75	0.72	1.15
24	0.78	0.73	1.21
26	0.81	0.73	1.27
28	0.83	0.74	1.33
30	0.86	0.75	1.39
32 or more	0.88	0.76	1.44

R68-3-5. Values of Ingredients.

The Department shall annually publish the monetary values per unit of nitrogen, available phosphoric acid, and soluble potash in commercial fertilizer in this state, which may be used as a basis for assessing monetary penalties for ingredient deficiencies as provided under section 4-13-6.

R68-3-6. Unlawful Acts.

A. Any person who has committed any acts included but not limited to those listed below is in violation of the Utah Fertilizer Act or rules promulgated thereunder and is subject to penalties provided for in Section 4-2-14:

1. Made false or fraudulent claims through any media misrepresenting the effect of fertilizers or soil amendments offered for sale in Utah;

2. Neglected or, after notice, refused to comply with the provisions of the act, these rules, or any lawful order of the Commissioner;

3. Made false or fraudulent records, invoices, or reports;

4. Used fraud or misrepresentations in making application for, or renewal of a registration or license;

5. Distributed commercial fertilizer or soil amendments which contain seeds or other viable plant parts or noxious weeds.

6. Distributed any waste-derived fertilizer that has not been identified in the registration application.

KEY: fertilizers
October 16, 1998 4-2-2
Notice of Continuation April 15, 1996

R154. Commerce, Corporations and Commercial Code.
R154-100. Utah Administrative Procedures Act Rules.
R154-100-1. Purpose of Rules.

The purpose of these rules is to designate those categories of adjudicative proceedings within the Division of Corporations and Commercial Code which will be conducted on an informal basis, in accordance with the Utah Administrative Procedures Act and the Rules of Procedure for Adjudicative Proceedings before the Department of Commerce.

R154-100-2. Designation of Informal Adjudicative Proceedings.

A. Any adjudicative proceedings as to the following matters shall be conducted on an informal basis:

1. The disapproval of any articles of incorporation, amendment, merger, consolidation, dissolution, or any other document required by Section 61-6-1 et seq. to be approved by the Division before filing.

2. The revocation of a certificate of authority of a foreign corporation to transact business in this state.

3. The disapproval of an application for an assumed name pursuant to Section 42-2-6.6(4).

4. The application for, and issuance of, registration of a trademark or service mark pursuant to Section 70-3-3.

5. The cancellation of registration of a trademark or service mark pursuant to Section 70-3-10.

B. All adjudicative proceedings as to any matters not specifically listed herein shall be conducted on an informal basis.

C. No hearing shall be held in any informal adjudicative proceeding which is initiated pursuant to these rules. However, any final order issued by the division is subject to agency review, consistent with the provisions of Section 63-46b-12 and the Rules of Procedure which govern Adjudicative Proceedings Before the Department of Commerce.

KEY: administrative procedure, government hearing
1988 13-1-10
Notice of Continuation November 10, 1998 63-46b-1(5)

R156. Commerce, Occupational and Professional Licensing.
R156-65. Burglar Alarm Security and Licensing Act Rules.
R156-65-101. Title.

These rules are known as the "Burglar Alarm Security and Licensing Act Rules".

R156-65-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 65, as used in Title 58, Chapters 1 and 65, or these rules:

(1) "Individual employed" means an individual who has an agreement with an alarm business or company to perform alarm systems business activities under the direct supervision or control of the alarm business or company and for whose alarm system business activities the alarm company is legally liable and who has or could have access to knowledge of specific applications.

(2) "Knowledge of specific applications" means obtaining specific information about any premises which is protected or is to be protected by an alarm system. This knowledge is gained through access to records, on-site visits or otherwise gathered through working for an alarm business or company.

(3) "Unprofessional conduct" as defined in Title 58, Chapters 1 and 65, is further defined, in accordance with Subsection 58-1-203(5), in Section R156-65-502.

R156-65-103. Authority - Purpose.

These rules are adopted by the division under the authority of Subsection 58-1-106(1) to enable the division to administer Title 58, Chapter 65.

R156-65-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is as described in Section R156-1-107.

R156-65-302a. Qualifications for Licensure - Application Requirements.

(1) An application for licensure as an alarm company shall include:

(a) a record of criminal history or certification of no record of criminal history with respect to the applicant's qualifying agent, issued by the Bureau of Criminal Identification, Utah Department of Public Safety;

(b) two fingerprint cards containing:

(i) the fingerprints of the applicant's qualifying agent;

(ii) the fingerprints of each of the applicant's officer's, directors, shareholders owning more than 5% of the stock of the company, partners, and proprietors; and

(iii) the fingerprints of each of the applicant's management personnel who will have responsibility for any of the company's operations as an alarm company within the state;

(c) a fee established in accordance with Section 63-38-3.2 equal to the cost of conducting a check of records of the Federal Bureau of Investigation, and the Bureau of Criminal Identification, Utah Department of Public Safety, for each individual for whom fingerprints are required under Subsection (1)(b); and

(d) a copy of the driver license or Utah Identification card for each individual for whom fingerprints are required under Subsection (1)(b).

(2) An application for license as an alarm company agent shall include:

(a) a record of criminal history or certification of no record of criminal history with respect to the applicant, issued by the Bureau of Criminal Identification, Utah Department of Public Safety;

(b) two fingerprint cards containing the fingerprints of the applicant;

(c) a fee established in accordance with Section 63-38-3.2 equal to the cost of conducting a check of records of the Federal Bureau of Investigation, and the Bureau of Criminal Identification, Utah Department of Public Safety, regarding the applicant; and

(d) a copy of the driver license or Utah Identification card for the applicant.

R156-65-302c. Qualifications for Licensure - Experience Requirements.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), the experience requirements for an alarm company applicant's qualifying agent in Subsection 68-65-302(1)(c)(i), are defined, clarified, or established in that an individual to be approved as a qualifying agent of an alarm company shall:

(1) have not less than 6,000 hours of experience in the alarm company business of which not less than 2,000 hours shall have been in a management, supervisory, or administrative position; or

(2) have not less than 6,000 hours of experience in the alarm company business combined with not less than 2,000 hours of management, supervisory, or administrative experience in a lawfully and competently operated construction company.

R156-65-302d. Qualifications for Licensure - Examination Requirements.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), the examination requirements for an alarm company applicant's qualifying agent in Subsection 68-65-(1)(c)(ii), are defined, clarified, or established in that an individual to be approved as a qualifying agent of an alarm company shall:

(1) pass the Utah Burglar Alarm Security Law and Rules Examination with a score of not less than 75%; and

(2) pass the Burglar Alarm Qualifier Examination with a score of not less than 75%.

R156-65-302e. Qualifications for Licensure - Insurance Requirements.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), the insurance requirements for licensure as an alarm company in Section 58-65-302(1)(k)(i) are defined, clarified, or established as follows:

(1) an applicant for an alarm company license shall file with the division a "certificate of insurance" issued by an insurance company or agent licensed in the state demonstrating the applicant is covered by comprehensive public liability coverage in an amount of not less than $300,000 for each incident, and not less than $1,000,000 in total;

(2) the terms and conditions of the policy of insurance coverage shall provide that the division shall be notified if the insurance coverage terminates for any reason; and

(3) all licensed alarm companies shall have available on file and shall present to the division upon demand, evidence of insurance coverage meeting the requirements of this Section for all periods of time in which the alarm company is licensed in this state as an alarm company.

R156-65-303. Renewal Cycle - Procedure.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two-year renewal cycle applicable to licensees under Title 58, Chapter 65, is established by rule in Section R156-1-308.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

R156-65-304. Renewal Requirement - Demonstration of Clear Criminal History.

(1) In accordance with Subsections 58-1-203(7) and 58-1-308(3)(b), there is created as a requirement for renewal or reinstatement of any license of an alarm company or alarm company agent a demonstration of clear criminal history for each alarm company qualifying agent and for each alarm company agent.

(2) Each application for renewal or reinstatement of a license of an alarm company shall be accompanied by a record of criminal history or certification of no record of criminal history with respect to the alarm company's qualifying agent, issued by the Bureau of Criminal Identification, Utah Department of Public Safety within 120 days prior to submission of the application for renewal or reinstatement to the division.

(3) Each application for renewal or reinstatement of a license of an alarm company agent shall be accompanied by a record of criminal history or certification of no record of criminal history with respect to the alarm company agent, issued by the Bureau of Criminal Identification, Utah Department of Public Safety within 120 days prior to submission of the application for renewal or reinstatement to the division.

R156-65-306. Change of Qualifying Agent.

Within 15 days, or some extended period granted in writing by the division, after a qualifying agent for an alarm company ceases employment with the alarm company, or for any other reason is not qualified to act as the alarm company qualifier, the alarm company shall file with the division an application for change of qualifier on forms provided by the division accompanied by a record of criminal history or certification of no record of criminal history, fee, fingerprint cards, and copy of a identification as required under Subsection R156-65-302a(1).

R156-65-502. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) failing as an alarm company to notify the division of the cessation of performance of its qualifying agent or failing to replace its qualifying agent, as required under Section R156-65-306;

(2) failing as an alarm company agent to carry or display a copy of the licensee's license as required under Section R156-65-601;

(3) employing as an alarm company a qualifying agent or alarm company agent knowing that individual has engaged in conduct inconsistent with the duties and responsibilities of an alarm company agent;

(4) failing to comply with operating standards established by rule; and

(5) a judgment on, or a judicial or prosecutorial agreement concerning a felony, or a misdemeanor involving moral turpitude, entered against an individual by a federal, state or local court, regardless of whether the court has made a finding of guilt, accepted a plea of guilty or nolo contendere by an individual, or an individual has entered into participation in a first offender, deferred adjudication, or other program or arrangement where judgment or conviction is withheld.

R156-65-601. Display of License.

An alarm company agent shall carry on his person at all times while acting as an alarm company agent a copy of his license and shall display that license upon the request of any person to whom the agent is representing himself as an alarm company agent, and upon the request of any law enforcement officer or representative of the division.

KEY: licensing, alarm company*, burglar alarms*
November 17, 1998 **58-65-101**
58-1-106(1)
58-1-202(1)

R199. Community and Economic Development, Community Development.

R199-8. Permanent Community Impact Fund Board Review and Approval of Applications for Funding Assistance.

R199-8-1. Purpose.

The Permanent Community Impact Fund Board (the Board) provides loans and/or grants to State agencies and subdivisions of the State which are or may be socially or economically impacted, directly or indirectly, by mineral resource development. Authorization for the Board is contained in Section 9-4-301 et seq.

R199-8-2. Eligibility.

Only those applications for funding assistance which are submitted by an eligible applicant for an eligible project shall be funded by the Board.

Eligible projects include: a) planning; b) the construction and maintenance of public facilities; and c) the provision of public services. "Public Facilities and Services" means public infrastructure or services traditionally provided by governmental entities.

Eligible applicants include state agencies and subdivisions of the state as defined in Subsection 9-4-302(5)3, which are or may be socially or economically impacted, directly or indirectly, by mineral resource development.

R199-8-3. Application Requirements.

A. Applicants shall submit their funding requests on the Board's most current application form, furnished by the Department of Community and Economic Development (DCED). Applicants submitting incomplete applications will be notified of deficiencies and their request for funding assistance will be held by the Board's staff pending submission of the required information by the applicant.

Complete applications which have been accepted for processing will be placed on the next available "Application Review Meeting" agenda.

B. Additional general information not specifically covered by the application form should also be furnished to the Board and its staff when such information would be helpful to the Board in appraising the merits of the project.

C. For proposed drinking water and sewer projects, sufficient technical information must be provided to the Utah Department of Environmental Quality (DEQ) to permit their review. The Board will not act on any drinking water or sewer project unless they receive such review from DEQ.

D. Planning grants and studies normally require a fifty percent cash contribution by the applicant.

E. The Board requires all applicants to have a vigorous public participation effort. All applicants shall hold at least one formal public hearing to solicit comment concerning the size, scope and nature of any funding request prior to its submission to the Board. In that public hearing, the public shall be advised the financing may be in the form of a loan, even if the application requests a grant.

Complete and detailed information shall be given to the public regarding the proposed project and its financing. The information shall include the expected financial impact including potential repayment terms and the costs to the public as user fees, special assessments, or property taxes if the financing is in the form of a loan. The Board may require additional public hearings if determines the applicant did not adequately disclose to the public the impact of the financial assistance during the initial public hearing.

When the Board offers the applicant a financial package that is substantially different in the amounts, terms or conditions initially requested by an applicant, the Board may require additional public hearings to solicit public comment on the modified funding package.

A copy of the public notice and transcript or minutes of the hearing shall be attached to the funding request. Public opinion polls may be submitted in addition to the transcript or minutes.

F. Letters of comment outlining specific benefits (or problems) to the community and State may be submitted with the application.

G. All applicants are required to notify in writing the applicable Association of Governments of their intention to submit a funding request to the Board. A copy of any comments made by the Association of Governments shall be attached to the funding request. It is the intent of the Board to encourage regional review and prioritization of funding requests to help ensure the timely consideration of all worthwhile projects.

H. State statute requires the Board before it grants or loans any funds or approves any undertaking to take into account the effect of the undertaking on any district, site, building structure or specimen that is included in or eligible for inclusion in the National Register of Historic Places or the State Register and to allow the state historic preservation officer (SHPO) a reasonable opportunity to comment on the undertaking or expenditure. In order to comply with that duty, the Board requires all applicants to provide the SHPO with a description of the proposed project and attach the SHPO's comments to the application. The Board also requires that if during the construction of the project the applicant discovers any cultural/paleontological resources, the applicant shall cease project activities which may affect or impact the cultural/paleontological resource, notify the Board and the SHPO of the discovery, allow the Board to take into account the effects of the project on cultural/paleontological resources, and not proceed until further approval is given by the Board.

I. All applicants must provide evidence and arguments to the Board as to how the proposed funding assistance provides for planning, the construction and maintenance of public facilities or the provision of public services.

J. All applicants must demonstrate that the facilities or services provided will be available and open to the general public and that the proposed funding assistance is not merely a device to pass along low interest government financing to the private sector.

K. All applicants must demonstrate that any arrangement with a lessee of the proposed project will constitute a true lease, and not a disguised financing arrangement. The lessee must be required to pay a reasonable market rental for the use of the facility. In addition, the applicant shall have no arrangement with the lessee to sell the facility to the lessee, unless fair market value is received.

L. Each applicant must submit evidence and legal opinion that it has the authority to construct, own and lease the proposed

project. In the case of a request for an interest bearing loan, the applicant must provide an opinion of nationally-recognized bond counsel that the interest will not be subject to federal income taxes.

M. All applicants shall certify to the Board that they will comply with the provisions of Titles VI and VII of the Civil Rights Act of 1964 (42 USC 2000e), as amended, which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agree to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90, as amended, which prohibits discrimination on the basis of age; Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and 28 CFR 35, as amended, which prohibit discrimination on the basis of disabilities; Utah Anti-Discriminatory Act, Section 34-35-1 et seq., which prohibits discrimination against any employee or applicant for employment because of race, color, sex, age, religion, national origin, or handicap, and to certify compliance with the ADA to the Board on an annual basis and upon completion of the project.

R199-8-4. Board Review Procedures.

A. The Board will review applications and authorize funding assistance on a "Trimester" basis. The initial meetings of each "Trimester" shall be "Project Review Meetings". The final meeting of each "Trimester" shall be a "Prioritization and Funding Meeting". Board meetings shall be held the first Thursday of each month, except July when no meeting will be held. "Prioritization and Funding Meetings" shall be held in April for the 1st Trimester, August for the 2nd Trimester and December for the 3rd Trimester.

The deadlines for submitting applications for each of the Trimesters will no later than the following dates: 1st Trimester, December 1st; 2nd Trimester, April 1st; 3rd Trimester, August 1st.

B. The process for review of new applications for funding assistance shall be as follows:

1. Submission of an application to the Board's staff for technical review and analysis.

2. Incomplete applications will be held by the Board's staff pending submission of required information.

3. Complete applications accepted for processing will be placed on the next available "Project Review Meeting" agenda.

4. At the "Project Review Meeting" the Board may either:

a. deny the application;

b. place the application on the "Pending List" for consideration at a future "Project Review Meeting" after additional review, options analysis and funding coordination by the applicant and the Board's staff;

c. place the application on the "Prioritization List" for consideration at the next "Prioritization and Funding Meeting".

C. Applicants and their representatives shall be informed of any "Project Review Meeting" at which their applications will be considered. Applicants may make formal presentations to the Board and respond to the Board's questions during the "Project Review Meetings".

D. No funds shall be committed by the Board at the "Project Review Meetings", with the exception of bona fide emergencies.

E. Applications for funding assistance which have been placed on the "Prioritization List" will be considered at the "Prioritization and Funding Meeting" for that Trimester. Applications which do not receive funding authorization will be held over for reconsideration at the next "Prioritization and Funding Meeting". Applications which have not received funding authorization after reconsideration will be deemed denied.

F. When two or more applications for funding assistance from various applicants in a given county are being considered at a "Project Prioritization and Funding Meeting", that county's Council of Governments (COG) or other broad based intergovernmental coordination body shall submit a list showing the COG's prioritization of those applications.

G. In instances of bona fide public safety or health emergencies or for other compelling reasons, the Board may suspend the provisions of this section and accept, process, review and authorize funding of an application on an expedited basis.

R199-8-5. Local Capital Improvement Lists.

A. A consolidated list of the anticipated capital needs for eligible entities will be submitted from each county, or in the case of state agencies, from DCED. This list should be produced as a cooperative venture of all the eligible entities within each county.

B. The list will contain a short term (one year), medium term (five year) and long range component (5-10 years).

C. The list should contain the following items: jurisdiction, summary description, project time frame, anticipated time of submission to PCIFB, projected overall cost of project, anticipated funding sources.

D. Projects not identified in a county's or DCED's list, will not be funded by the PCIFB, unless they address a bona fide public safety or health emergency or for other compelling reasons.

E. An up-dated list shall be submitted to the Board no later than January 31 of each year. The short term (one year) component of the list shall be prioritized on a county-wide basis by a cooperative venture of the eligible entities within a county.

R199-8-6. Modification or Alteration of Approved Projects.

A recipient of PCIFB grant funds may not, for a period of ten years from the approval of funding by the Board, change or alter the use, intended use, ownership or scope of a project without the prior approval of the Board. A recipient of PCIFB loan funds may not, for the term of the loan, change or alter the use, intended use, ownership or scope of a project without the prior approval of the Board. The recipient shall submit a written request for such approval and provide such information as requested by the Board or its staff, including at a minimum a description of the modified project sufficient for the Board to determine whether the modified project is an eligible use of PCIFB funds.

The Board may place such conditions on the proposed modifications or modified project as it deems appropriate, including but not limited to modifying or changing the financial

terms, requiring additional project actions or participants, or requiring purchase or other satisfaction of all or a portion of the Board's interests in the approved project. Approval shall only be granted if the modified project, use or ownership is also an eligible us of PCIFB funds, unless the recipient purchases or otherwise satisfies in full the Board's interest in the previously approved or the proposed project.

KEY: grants
November 10, 1998 9-4-305
Notice of Continuation December 23, 1997

R251. Corrections, Administration.
R251-401. Supervision Fees.
R251-401-1. Authority and Purpose.

(1) This rule is authorized under Section 64-13-21.

(2) The purpose of this rule is to define the UDC's policy regarding offenders' monthly supervision fees including criteria for the suspension or waiver of fees and the circumstances under which an offender may request a hearing.

R251-401-2. Definitions.

(1) "Board" means Board of Pardons and Parole.

(2) "Fee suspension" means temporary, time-limited suspension of required fee payment when inability to pay is a result of short-term, substantial hardship.

(3) "Fee waiver" means long-term waiver of fee payment when the substantial hardship causing an inability to pay is highly unlikely to change during the period of supervision.

(4) "Substantial hardship" means any condition which would cause gross monthly household income to be below the Federal Poverty Level.

(5) "UDC" means Utah Department of Corrections.

R251-401-3. Policy.

It is the policy of the Department that:

(1) in accordance with Section 64-13-21, offenders on probation or parole shall be assessed a monthly supervision fee of $30.00 if the offense was committed after May 3, 1993;

(2) court- or Board-ordered supervision fees may be waived if the order would create a substantial hardship as determined by the supervising agent and a supervisor;

(3) if the offender disagrees with a non-hardship finding, the decision may be appealed up to the appropriate Regional Administrator, whose decision shall be binding;

(4) offenders required to pay supervision fees shall be provided with written procedures regarding the appeal process;

(4) former offenders who had a fee suspension or waiver when their supervision ended, shall not automatically assume the same status if placed on probation or parole again;

(5) offenders who obtain a suspension or waiver shall not be eligible for a refund of any fees previously paid; and

(6) eligible offenders shall reapply for a suspension or waiver of supervision fees each time they are placed on probation or parole.

KEY: fees, supervision, offender
1994 64-13-21
Notice of Continuation November 13, 1998

R277. Education, Administration.
R277-400. Emergency Preparedness Plan.
R277-400-1. Definitions.

A. "Emergency" means a natural or man-made disaster, accident, act of war, or other circumstance which could reasonably endanger the safety of school children or disrupt the operation of the school.

B. "Emergency Preparedness Plan (Plan)" means policies and procedures developed to promote the safety and welfare of students, protect district property, or regulate the operation of schools during an emergency occurring within a district or a school.

C. "Board" means the Utah State Board of Education.

R277-400-2. Authority and Purpose.

A. This rule is authorized under Utah Constitution Article X Section 3 which vests general control and supervision of public education in the Board, Section 53A-1-401(3) which allows the Board to adopt rules in accordance with its responsibilities and Section 53A-1-402(1)(b) directs the Board to adopt rules for student health and safety.

B. The purpose of this rule is to establish criteria for plans required of local schools and districts governing conduct during emergencies.

R277-400-3. Establishing a District Emergency Preparedness Plan.

A. Each local board of education shall adopt and maintain a Plan for its district which meets Board standards. The plan shall contain specific procedures designed for each individual school located within the district.

B. The local board shall appoint a committee to prepare a plan or modify an existing plan to meet Board standards. The committee shall consist of appropriate school and community representatives which may include school and district administrators, teachers, parents, community and municipal governmental officers, and fire and law enforcement personnel. Governmental agencies and bodies vested with responsibility for directing and coordinating emergency services on local and state levels shall be included on the committee.

C. The local board shall appoint appropriate persons at least once every three years to review and update the Plan.

R277-400-4. Establishing a School Emergency Preparedness Plan.

A. Each school shall prepare a school Plan which shall be consistent with the district Plan and approved by the district superintendent.

B. Parents, teachers, and administrators shall participate in the development of a school Plan.

C. The school Plan shall be updated at least as frequently as the district Plan.

R277-400-5. Notice.

A. A copy of the Plan for each school within a district shall be filed in the district superintendent's office.

B. At the beginning of each school year, parents and staff shall receive a written summary of relevant sections of district and school Plans which are applicable to that school.

R277-400-6. Plan Content--Educational Services and Student Supervision.

The plan shall contain measures which assure that, during an emergency, school children receive reasonably adequate educational services and supervision during school hours.

A. Evacuation procedures shall assure reasonable care and supervision of children until responsibility has been affirmatively assumed by another responsible party.

B. Release of a child below ninth grade at other than regularly scheduled hours is prohibited unless the parent or another responsible person has been notified and has assumed responsibility for the child. An older child may be released without such notification if a school official determines that the child is reasonably responsible and notification is not practicable.

C. School districts shall, to the extent reasonably possible, provide educational services to school children whose regular school program has been disrupted by an extended emergency.

R277-400-7. Plan Content--Emergency Training.

The Plan shall contain measures which assure that school children receive emergency preparedness training.

A. School children shall be provided with training appropriate to their ages in rescue techniques, first aid, safety measures appropriate for specific emergencies, and other emergency skills.

B. Fire drills:

(1) During each school year, elementary schools shall conduct fire drills at least once each month during school sessions. A fire drill in secondary schools shall be conducted at least every two months, for a total of four fire drills during the nine month school year. The first fire drill shall be conducted within the first two weeks of the school year for both elementary and secondary schools. An exception may be made, subject to the approval of the local fire chief, to postpone a fire drill due to severe weather conditions.

(2) Fire drills shall include the complete evacuation of all persons from the school building or portion thereof used for educational purposes. An exception may be made for the staff member responsible for notifying the local fire department and handling emergency communications.

(3) When required by the local fire chief, the local fire department shall be notified prior to each drill.

(4) When a fire alarm system is provided, fire drills shall be initiated by activation of the fire alarm system.

C. Schools shall hold at least one drill for other emergencies during the school year.

D. Resources and materials available for training shall be identified in the Plan.

E. Each school shall conduct an Emergency Preparedness Week prior to April 30 of each school year.

R277-400-8. Plan Content--Cooperation With Governmental Entities.

A. As appropriate, a local board may enter into cooperative agreements with other governmental entities to assure proper coordination and support during emergencies.

B. A school district shall cooperate with other governmental entities, as reasonably feasible, to provide

emergency relief services. The Plan shall contain procedures for assessing and providing district facilities, equipment, and personnel to meet public emergency needs.

C. The Plan shall delineate communication channels and lines of authority within the district, city, county, and state.

(1) the Board, through its superintendent, is the chief officer for emergencies involving more than one district or state or federal aid;

(2) the local board, through its superintendent, is the chief officer for district emergencies;

(3) direction and control of emergency operations shall be exercised by the executive heads of government and school districts. Local governments and school districts retain their autonomy and identity throughout all levels of emergency operations;

(4) personnel and resources received from outside sources shall be incorporated into the structure of the local government and school district.

R277-400-9. Plan Content--Fiscal Procedures.

The Plan shall address procedures for recording district funds expected for emergencies, for assessing and repairing damage, and for seeking reimbursement for emergency expenditures.

KEY: emergency preparedness, disasters, safety, safety education
November 3, 1998 Art X Sec 3
Notice of Continuation September 12, 1997 53A-1-401(3)
53A-1-402(1)(b)

R277. Education, Administration.
R277-410. Accreditation of Schools.
R277-410-1. Definitions.

A. "Accreditation" means formal Board approval of a school that has met standards considered by the Board to be essential for the operation of a quality school program.

B. "Board" means the Utah State Board of Education.

C. "USOE" means the Utah State Office of Education.

R277-410-2. Authority and Purpose.

A. This rule is authorized under Utah Constitution Article X, Section 3 which vests general control and supervision of public education in the Board, by Section 53A-1-402(1)(c) which directs the Board to adopt rules for school accreditation, and Section 53A-1-401(3) which allows the Board to adopt rules in accordance with its responsibilities.

B. The purpose of this rule is to specify accreditation procedures for public and private schools which voluntarily request Board accreditation.

R277-410-3. Accreditation of Public Schools.

A. The accreditation program of the Northwest Association of Schools and Colleges is the accreditation program for high schools, special purpose schools, schools containing grades kindergarten through twelve, elementary schools, junior high schools, and middle schools.

B. Elementary schools, junior high schools, and middle schools may instead elect to be accredited in accordance with the standards and procedures adopted in R277-411 or R277-412.

C. All schools, except non-accredited elementary schools, shall complete the annual accreditation report and file it in accordance with USOE procedures.

D. Application for actual accreditation is voluntary.

R277-410-4. Transfer of Credit.

A. If a school is accredited by any member of the International Council of School Accreditation Commissions, credit earned at that school is accepted at face value in the public schools in Utah.

B. Credit shall be accepted at face value in the public schools of Utah if a private school is evaluated under the credit approval criteria as established by the Board. Criteria shall include:

(1) Application for credit approval to the Board;

(2) Accreditation by a regional or national organization representing the category of the applicant school. The school's accreditation team shall include a representative from the USOE and shall have included at least the following:

(a) a written self evaluation;

(b) a listing of the school's course offerings;

(c) a description of the process for appointment and evaluation of faculty;

(d) a review of finance, governance, faculty and long range planning;

(3) A description of how the subject matter credits requested for transfer relate to the State Core Curriculum standards.

C. If a school is not accredited, the school district to which the credit is to be transferred may decide whether or not to accept the credit earned at the non-accredited school consistent with Section R277-700-6.

KEY: accreditation, public schools, private schools
November 3, 1998 Art X Sec 3
Notice of Continuation September 12, 1997 53A-1-402(1)(c)
53A-1-401(3)

R277. Education, Administration.
R277-470. Distribution of Funds for Charter Schools.
R277-470-1. Definitions.

A. "ADM" means average daily membership.

B. "Board" means the Utah State Board of Education.

C. "Charter schools" means schools approved by the Board under Section 53A-1a-505.

D. "On-going funds" means funds that are appropriated annually with the expectation that the funds will continue to be appropriated annually.

E. "One-time funds" means funds that are appropriated with the expectation that they may not be appropriated in subsequent years.

F. "USOE" means the Utah State Office of Education.

G. "Weighted Pupil Unit (WPU)" means the unit of measure that is computed in accordance with the Minimum School Program Act for the purpose of determining the costs of a program on a uniform basis for each district.

R277-470-2. Authority and Purpose.

This rule is authorized under Utah Constitution, Article X which vests general control and supervision over public education in the Board, Section 53A-1a-513(1)(b)(i) which directs the Board to adopt rules to provide a funding formula to pay school districts for charter school students, Section 53A-1a-513(2)(a) which directs the Board to adopt rules relating to the transportation of students to and from charter schools, and Section 53A-1-401(3) which allows the Board to adopt rules in accordance with its responsibilities.

R277-470-3. Funding Through WPUs.

A. All funding for charter school students shall be paid by the USOE to school districts.

B. School districts shall receive funding for charter school students on the same basis that they receive funding for other students in the district.

C. School districts shall distribute to eligible charter schools, upon request and verification of data, a proportional amount of the WPU for each eligible charter school student for the following programs or funding sources:

(1) Regular WPU;
(2) Class Size Reduction;
(3) Local Programs;
(4) Gifted and Talented;
(5) At Risk Flow Through; and
(6) Professional Staff (if data is submitted as outlined in R277-470-8.

D. Upon application and approval, a school district shall distribute to charter schools funds from the following programs or funding sources:

(1) Special Education;
(2) Career Ladder;
(3) Applied Technology;
(4) Youth in Custody;
(5) Advanced Placement; and
(6) Concurrent Enrollment.

R277-470-4. Distribution of Additional Funds.

A. A charter school shall receive a dollar amount per student from the following on-going programs or sources or funding:

(1) Social Security and Retirement;
(2) Class Size Reduction (for 7th and 8th grade students only);
(3) Experimental Developmental; and
(4) Educational Technology Initiative

B. A charter school shall receive a dollar amount per student from one-time programs or sources of funding which are part of the Minimum School Program if those funds are distributed on a per student or per teacher basis.

C. A charter school shall receive funds from the Alternative Language Services Program, upon application, by the charter school.

R277-470-5. Federal Funds.

If the school district receives funding and the charter school provides requisite services, then the charter school shall receive proportional funds for eligible students, upon application, for the following programs:

(1) Individuals with Disabilities Act (students with IEP's only);
(2) Title I - Basic Grant (free and reduced lunch eligible students);
(3) Title II - Professional Development (total students and disadvantaged students);
(4) Impact Aid (students who qualify);
(5) Title VI (total number of students);
(6) Safe and Drug Free Schools (students who qualify);
(7) Bilingual Education - Subpart I (based on the number of students receiving services);
(8) School Dropout Demonstration Act; and
(9) Goals 2000.

R277-470-6. Start Up Funds.

A charter school shall receive start up funds based upon available funds, total requests, number of students served, and needs as outlined in individual proposals submitted by each charter school.

R277-470-7. Residency for Funding Purposes.

A. For purposes of state and federal funding, a charter school student is considered a resident of the district in which the charter school is located.

B. For purposes of local funding, a district shall pay to an eligible charter school one-half of the original resident district's residual per student expenditure for each student properly registered in a charter school according to formula developed by the USOE.

R277-470-8. Ongoing Funds.

A. Ongoing funds shall be distributed to charter schools based on data submitted by the charter schools. Data shall include names of students, addresses, resident districts, grades, birth dates, immunization data, and special program applications, as necessary. Districts shall distribute these funds ten days after receiving the data from charter schools.

B. Distributions for September and October shall be made to charter schools based on data submitted to the district five

school days after the beginning of the school year, as determined by the Board-approved charter. If school begins later than September, the distribution for the first two months will be based on data submitted for the first five days of school.

C. Charter schools that provide verification of appropriate professional staff as defined under Section 53A-1a-512(3) by November 14 shall receive designated professional staff funding.

D. The remaining distributions shall be made based on enrollment data as of the charter school's first school day of the preceding month.

E. A monthly payment shall equal ten percent of a charter school's annual entitlement as determined at the first of each month.

F. Monthly payments shall be adjusted entitling the charter school to the appropriate percentage of its eligible funding for the school year, based on projected ADM for the year.

G. Necessary final calculations shall be made by June 30 of each year.

R277-470-6. Funding for Transportation.

A. Charter schools are not eligible for to-and-from school transportation funds.

B. A charter school transporting students is subject to Utah law under Section 41-6-115.

C. A school district may provide transportation for charter school students on a space-available basis on approved routes.

(1) Districts may not incur increased costs or displace eligible students to transport charter school students.

(2) A charter school student shall board and leave the bus only at existing designated stops on approved bus routes or at identified destination schools.

(3) A charter school student shall board and leave the bus at the same stop each day.

KEY: education, charter schools*
November 3, 1998 **Art X, Sec 3**
53A-1a-513(1)(b)(i)
53A-1a-513(2)(a)
53A-1-401(3)

R307. Environmental Quality, Air Quality.
R307-110. General Requirements: State Implementation Plan.
R307-110-1. Incorporation by Reference.

To meet requirements of the Federal Clean Air Act, the Utah State Implementation Plan must be incorporated by reference into these rules. Copies of the Utah State Implementation Plan are available at the Utah Department of Environmental Quality, Division of Air Quality.

R307-110-2. Section I, Legal Authority.

The Utah State Implementation Plan, Section I, Legal Authority, as most recently amended by the Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-3. Section II, Review of New and Modified Air Pollution Sources.

The Utah State Implementation Plan, Section II, Review of New and Modified Air Pollution Sources, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-4. Section III, Source Surveillance.

The Utah State Implementation Plan, Section III, Source Surveillance, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-5. Section IV, Ambient Air Monitoring Program.

The Utah State Implementation Plan, Section IV, Ambient Air Monitoring Program, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-6. Section V, Resources.

The Utah State Implementation Plan, Section V, Resources, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-7. Section VI, Intergovernmental Cooperation.

The Utah State Implementation Plan, Section VI, Intergovernmental Cooperation, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-8. Section VII, Prevention of Air Pollution Emergency Episodes.

The Utah State Implementation Plan, Section VII, Prevention of Air Pollution Emergency Episodes, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-9. Section VIII, Prevention of Significant Deterioration.

The Utah State Implementation Plan, Section VIII, Prevention of Significant Deterioration, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-10. Section IX, Control Measures for Area and Point Sources, Part A, Fine Particulate Matter.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part A, Fine Particulate Matter, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-11. Section IX, Control Measures for Area and Point Sources, Part B, Sulfur Dioxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part B, Sulfur Dioxide, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-12. Section IX, Control Measures for Area and Point Sources, Part C, Carbon Monoxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part C, Carbon Monoxide, as most recently amended by the Utah Air Quality Board on January 7, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-13. Section IX, Control Measures for Area and Point Sources, Part D, Ozone.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part D, Ozone, as most recently amended by the Utah Air Quality Board on September 9, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-14. Section IX, Control Measures for Area and Point Sources, Part E, Nitrogen Dioxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part E, Nitrogen Dioxide, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-15. Section IX, Control Measures for Area and Point Sources, Part F, Lead.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part F, Lead, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-16. Section IX, Control Measures for Area and Point Sources, Part G, Fluoride.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part G, Fluoride, as most

recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-17. Section IX, Control Measures for Area and Point Sources, Part H, Emissions Limits.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part H, Emissions Limits, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-18. Reserved.

Reserved.

R307-110-19. Section XI, Other Control Measures for Mobile Sources.

The Utah State Implementation Plan, Section XI, Other Control Measures for Mobile Sources, as most recently amended by the Utah Air Quality Board on September 30, 1993, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-20. Section XII, Involvement.

The Utah State Implementation Plan, Section XII, Involvement, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-21. Section XIII, Analysis of Plan Impact.

The Utah State Implementation Plan, Section XIII, Analysis of Plan Impact, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-22. Section XIV, Comprehensive Emission Inventory.

The Utah State Implementation Plan, Section XIV, Comprehensive Emission Inventory, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-23. Section XV, Utah Code Title 19, Chapter 2, Air Conservation Act.

Section XV of the Utah State Implementation Plan contains Utah Code Title 19, Chapter 2, Air Conservation Act.

R307-110-24. Section XVI, Public Notification.

The Utah State Implementation Plan, Section XVI, Public Notification, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-25. Section XVII, Visibility Protection.

The Utah State Implementation Plan, Section XVII, Visibility Protection, as most recently amended by the Utah Air Quality Board on March 26, 1993, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-26. Section XVIII, Demonstration of GEP Stack Height.

The Utah State Implementation Plan, Section XVIII, Demonstration of GEP Stack Height, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-27. Section XIX, Small Business Assistance Program.

The Utah State Implementation Plan, Section XIX, Small Business Assistance Program, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-28. Reserved.

Reserved.

R307-110-29. Section XXI, Diesel Inspection and Maintenance Program.

The Utah State Implementation Plan, Section XXI, Diesel Inspection and Maintenance Program, as most recently amended by the Utah Air Quality Board on July 12, 1995, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-30. Section XXII, General Conformity.

The Utah State Implementation Plan, Section XXII, General Conformity, as adopted by the Utah Air Quality Board on October 4, 1995, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-31. Section X, Vehicle Inspection and Maintenance Program, Part A, General Requirements and Applicability.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part A, General Requirements and Applicability, as most recently amended by the Utah Air Quality Board on October 7, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-32. Section X, Vehicle Inspection and Maintenance Program, Part B, Davis County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part B, Davis County, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-33. Section X, Vehicle Inspection and Maintenance Program, Part C, Salt Lake County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part C, Salt Lake County, as most recently amended by the Utah Air Quality Board on

February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-34. Section X, Vehicle Inspection and Maintenance Program, Part D, Utah County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part D, Utah County, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-35. Section X, Vehicle Inspection and Maintenance Program, Part E, Weber County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part E, Weber County, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

KEY: air pollution, small business assistance program*, particulate matter*, ozone
November 20, 1998 19-2-104(3)(e)
Notice of Continuation June 2, 1997

R307. Environmental Quality, Air Quality.

R307-121. General Requirements: Eligibility of Expenditures for Purchase of Vehicles that Use Cleaner Burning Fuels or Conversion of Vehicles and Special Fuel Mobile Equipment to Use Cleaner Burning Fuels for Corporate and Individual Income Tax Credits.

R307-121-1. Definitions.

Definitions. The following additional definitions apply to R307-121.

"Certified by the Board" is defined in Utah Code 59-7-605(1)(b) and 59-10-127(1)(b).

"Clean Fuel" means:

(1) propane, natural gas, or electricity;

(2) other fuel the Air Quality Board determines annually on or before July 1, to be at least as effective as fuels under (1) in reducing air pollution; or

(3) fuel that meets the clean fuel vehicle standards specified in Part C of Title II of the federal Clean Air Act.

"Conversion System" means a package which may include fuel, ignition, emissions control, and engine components that are modified, removed, or added during the process of modifying a motor vehicle or a special fuel mobile equipment to operate on a clean fuel.

"Special Fuel Mobile Equipment" is defined in Utah Code 59-7-605(1)(d) and 59-10-127(1)(d).

R307-121-2. Amount of Credit.

As specified in Sections 59-7-605, and 59-10-127 for tax years beginning January 1, 1997, and ending December 31, 2001, there is a credit against tax otherwise due in an amount equal to:

(1) 20%, up to a maximum of $500 per vehicle, of the cost of new motor vehicles being registered in Utah and for the first time that are fueled by a clean fuel;

(2) 20%, up to a maximum of $400, of the cost of equipment for conversion, if certified by the Board, of a motor vehicle registered in Utah to be fueled by a clean fuel; and

(3) 20%, up to a maximum of $500, of the cost of equipment for conversion, if certified by the Board, of a special fuel mobile equipment engine to be fueled by a clean fuel or a fuel substantially more effective in reducing air pollution than the fuel for which the engine was originally designed.

R307-121-3. Anti-Tampering Policy.

No person may convert a motor vehicle to use a clean fuel in a manner that violates Section 203(a) of the Act or the "Interim Tampering Enforcement Policy" of the Environmental Protection Agency, June 15, 1974.

R307-121-4. Proof of Purchase for New Vehicle.

Proof of purchase of an item for which a credit specified in R307-121-2(1) is allowed shall be made by submitting to the executive secretary:

(1) a copy of the Manufacturer's Statement of Origin;

(2) an original or copy of the purchase order, customer invoice, or receipt including the vehicle identification number (VIN); and

(3)(a) a copy of the Manufacturer's Suggested Retail Price document that includes a clean fuel option on the equipment list for that vehicle or

(b) in the case of vehicles certified as meeting the Clean Fleet Vehicle standards specified in Part C of the federal Clean Air Act, the owner must make the vehicle available for verification by a representative of the executive secretary of an under-hood decal on the vehicle for which the credit is requested stating "This vehicle (or engine, as applicable) conforms to California regulations applicable to (model-year) new (TLEV, LEV, ULEV, or ZEV) (specify motorcycles, passenger cars, light-duty trucks, medium-duty diesel engines, as applicable)."

R307-121-5. Proof of Purchase for Converted Vehicle.

(1) Proof of purchase of an item for which a credit specified in R307-121-2(2) or (3) is allowed shall be made by submitting to the executive secretary a copy of the purchase order, customer invoice, or receipt.

(2) The proof of purchase specified in R307-121-5(1) must be completed and signed by the person that converted the vehicle or the special fuel mobile equipment, and must include the following information:

(a) owner's name;

(b) owner's social security number or taxpayer identification number;

(c) vehicle VIN or identification number of the special fuel mobile equipment;

(d) fuel type before conversion;

(e) fuel type after conversion;

(f) conversion system manufacturer;

(g) conversion system model number;

(h) date of the conversion;

(i) name, address, and phone number of the person that converted the vehicle or the special fuel mobile equipment;

(j) documentation of compliance with all existing applicable technician certification requirements, as specified in 53-7-301 through 316, R710-6, and R714-400-7.P, for the person that performed the installation of the conversion system, by providing the technician's current valid certification number;

(k) documentation that the conversion system installed has been certified by the Board, by providing the current valid certification number issued by the executive secretary in accordance with R307-121-6; and

(l) for vehicle conversions, copies of the vehicle inspection reports (VIR) before and after the conversion, indicating that the vehicle passed the current applicable inspection and maintenance (I/M) emission test in the county where the vehicle is registered. The owner is exempt from the VIR submission requirements, only if a vehicle is registered and is converted in a county that does not implement any inspection and maintenance program. If the vehicle is registered in a non-I/M county and is converted in an I/M county, VIR submission is required.

R307-121-6. Procedures for Obtaining Certification by the Board for Fuel Conversion Systems.

(1) For vehicles.

(a) The executive secretary will issue a certificate, stating that the fuel conversion system for a specific fuel, vehicle class, and engine type has been certified by the Board, if the system

manufacturer submits the following information to the executive secretary and if the executive secretary decides the conversion system has met all applicable requirements:

(i) description of each conversion system, fuel used, vehicle certification class (including vehicle type and vehicle weight class), and engine type;

(ii) Federal Test Procedure (FTP) mass emissions test data which:

(A) is collected in high altitude conditions as defined by the Environmental Protection Agency (EPA) using EPA approved equipment, test procedures and practices, and meeting EPA emissions certification standards, as defined in 40 CFR Part 86;

(B) shows that tests conducted before and after installation of the conversion system demonstrate a reduction in total emissions and that there is no increase in emissions for each regulated pollutant compared to emission levels when operated on the original fuel prior to the conversion;

(C) is tested on two vehicles for each vehicle certification class which have accumulated at least 4,000 miles each;

(iii) system engineering specifications.

(b) The executive secretary will issue a certificate if the federal Environmental Protection Agency has certified the conversion system, or if the fuel conversion system has been certified by a state whose certification standards are recognized by the Board.

(c) Special provisions.

(i) After conversion, dual-fuel or flexible-fuel vehicles shall be required to undergo at least one Federal Test Procedure on conventional fuel and must demonstrate that the EPA emissions certification standards in 40 CFR Part 86 for that vehicle type and model year on the conventional fuel are being met.

(ii) The executive secretary may waive the requirement for testing to be conducted at high altitude, specified in (1)(a)(ii)(A) above, if the manufacturer demonstrates that the conversion system provides an equivalent emission reduction.

(iii) Acceptability of Canadian data will be determined on a case-by-case basis after demonstrating to the satisfaction of the executive secretary that the test is equivalent to the Federal Test Procedure.

(iv) Vehicle conversions must comply with EPA Mobile Source Enforcement Memorandum No. 1A., dated June 25, 1974.

(2) For special fuel mobile equipment.

(a) The executive secretary will issue a certificate, stating that the fuel conversion system for a specific fuel and mobile equipment engine type has been certified by the Board, if the system manufacturer submits the following information to the executive secretary and if the executive secretary decides the conversion system has met all applicable requirements:

(i) description of each conversion system, fuel used, and mobile equipment engine type;

(ii) emissions test data showing that the conversion system results in an emission reduction of total emissions and that there is no increase in emissions for each regulated pollutant in comparison with emission levels when operated on the original fuel prior to the conversion; and

(iii) system engineering specifications.

(b) The executive secretary will issue a certificate if the federal Environmental Protection Agency has certified the conversion system or if the fuel conversion system has been certified by a state whose certification standards are recognized by the Board.

(c) The executive secretary shall evaluate the certification of conversion system for special fuel mobile equipment on a case-by-case basis as new technologies are improved.

(3) Certification by other states may be accepted by the executive secretary if it meets the requirements specified in (1) and (2) above.

R307-121-7. Revocation of Certification.

The executive secretary will revoke the certification of a conversion system if an investigation finds that a certified conversion system exceeds the level of emissions for which it was certified, taking into account deterioration because of age or other reasonable concern.

R307-121-8. Duty to Acknowledge Proof of Purchase.

The executive secretary will acknowledge receipt of proofs specified in R307-121 by signing the relevant written statement provided on forms prescribed by the State Tax Commission.

KEY: air pollution, tax exemptions, motor vehicles

September 15, 1998	**19-2-104**
Notice of Continuation June 2, 1997	**59-7-605**
	59-10-127

R307. Environmental Quality, Air Quality.
R307-220. Emission Standards: Plan for Designated Facilities.
R307-220-1. Incorporation by Reference.

(1) Pursuant to 42 U.S.C. 7411(d), the Federal Clean Air Act Section 111(d), the following sections hereby incorporate by reference the Utah plan for designated facilities. Copies of the plan are available at the Division of Air Quality and the Divison of Administrative Rules.

(2) Definitions. The following additional definitions apply to R307-220:

"Designated Facility" means any existing source which emits a designated pollutant and which would be subject to a standard of performance for a new source if construction of the designated facility had begun after the effective date of the standard of performance issued under 40 CFR Part 60.

"Designated Pollutant" means any air contaminant, the emission of which:

(a) is subject to a standard of performance for a new source; and

(b) is not subject to a National Ambient Air Quality Standard; and

(c) is not a hazardous air pollutant as defined in R307-1-1.

R307-220-2. Section I, Municipal Solid Waste Landfills.

Section I, Municipal Solid Waste Landfills, as most recently adopted by the Air Quality Board on September 3, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-220-3. Section II, Hospital, Medical, Infectious Waste Incinerators.

Section II, Hospital, Medical, Infectious Waste Incinerators, as most recently adopted by the Air Quality Board on November 12, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

KEY: air pollution, landfills*, environmental protection, incinerators
November 25, 1998 19-2-104

R307. Environmental Quality, Air Quality.

R307-222. Existing Incinerators for Hospital, Medical, Infectious Waste.

R307-222-1. Purpose and Applicability.

(1) R307-222 regulates emissions from existing incinerators for hospital, medical, or infectious waste or any combination of them. The purpose of R307-222 is to reduce the emissions of particulate matter, sulfur dioxide, hydrogen chloride, oxides of nitrogen, carbon monoxide, lead, cadmium, mercury, and dioxins and dibenzofurans from incinerators burning hospital, medical or infectious waste. Reductions are required by 42 U.S.C. 7411(d) and 7429 and 40 CFR Part 60, subpart Ce, published at 62 FR 48348, September 15, 1997, and by the Plan for Incinerators for Hospital, Medical, and Infectious Waste which is incorporated by reference at R307-220-3.

(2) R307-222 applies to each incinerator for hospital, medical, or infectious waste or any combination of them for which construction was commenced on or before June 20, 1996, except as set forth below.

(a) A combustor is not subject to R307-222 during periods when only pathological waste, low-level radioactive waste, chemotherapeutic waste or any combination of them is burned, provided the owner or operator of the combustor:

(i) Notifies the executive secretary of an exemption claim; and

(ii) Keeps records on a calendar quarter basis of the periods of time when only pathological waste, low-level radioactive waste, chemotherapeutic waste or any combination of them is burned.

(b) Any co-fired combustor is not subject to this subpart if the owner or operator of the co-fired combustor:

(i) Notifies the executive secretary of an exemption claim;

(ii) Provides an estimate of the relative weight of wastes to be combusted, including hospital, medical or infectious waste or any combination of them, and other fuels and wastes; and

(iii) Keeps records on a calendar quarter basis of the weight of hospital, medical, or infectious waste or any combination of them which was combusted, and the weight of all other fuels and wastes combusted at the co-fired combustor.

(c) Any combustor required to have a permit under R315-306 is not subject to R307-222.

(d) Any combustor which meets the applicability requirements under subpart Cb, Ea, or Eb of 40 CFR Part 60 is not subject to R307-222.

(e) Any pyrolysis unit as defined in 40 CFR 60.51c is not subject to R307-222.

(f) Any cement kiln firing hospital, medical, or infectious waste or any combination of them is not subject to R307-223.

(g) Physical or operational changes made to an existing hospital, medical or infectious waste incinerator unit solely for the purpose of complying with emission guidelines under R307-223 are not considered a modification and do not result in an existing hospital, medical or infectious or any combination waste incinerator unit becoming subject to the provisions of R307-18.

(3) Any facility subject to R307-222 also is required to obtain an operating permit under R307-415 no later than September 15, 2000.

R307-222-2. Definitions and References.

(1) The following definitions apply only to R307-222. Definitions found in 40 CFR 60.31e, effective November 14, 1997, and 40 CFR 60.51c, effective March 16, 1998, are adopted and incorporated by reference, with the following substitutions.

(a) Substitute "executive secretary" for all federal regulation references to "Administrator."

(b) Substitute "State of Utah" for all federal regulation references to "State agency" or "State regulatory agency."

(c) Substitute "Rule R307-222" for all references to "this subpart."

(d) Substitute "40 CFR Part 60" for all references to "this part."

(e) Substitute "40 CFR" for all references to "This title."

R307-222-3. All Incinerators.

(1) Each incinerator subject to R307-222 must comply with the requirements of 40 CFR 60.52c(b) for emission limits, 40 CFR 60.53c for operator training and qualification, 40 CFR 60.55c for a waste management plan, 40 CFR 60.58c(b) excluding (b)(2)(ii) and (b)(7) for recordkeeping, and 40 CFR 60.58c(c) through (f) for reporting. These provisions are adopted and incorporated by reference.

(2) Each incinerator subject to R307-222 must submit by February 1, 1999, an initial emissions inventory for inclusion in the Plan.

(3) Compliance dates.

(a) Except as provided in (b) and (c), each incinerator must be in compliance with all requirements of R307-222 on or before the date one year after federal approval of the State Plan.

(b) The owner or operator may petition the executive secretary to extend the compliance date as late as three years after EPA approval of the State Plan or September 15, 2000, whichever is earlier. The petition must meet the requirements set forth in (c) below.

(c) The petition must be submitted by January 2, 2000 and must include the following documentation:

(i) analysis supporting the need for an extension;

(ii) an evaluation of the option to transport waste offsite to a commercial medical waste treatment and disposal facility on a temporary or permanent basis;

(iii) measurable and enforceable incremental steps of progress to be taken towards compliance;

(iv) a compliance plan as set forth in (d) below.

(d) The compliance plan must include compliance dates for either:

(i) disposal of waste offsite or installation of equipment other than an incinerator to treat waste at the earliest possible date, or

(ii) each activity to retrofit the incinerator, including the following intermediate steps:

(A) The owner or operator must award the contract for retrofitting no later than March 1, 2000.

(B) The owner or operator must begin installation of air pollution control devices no later than June 1, 2000.

(C) The owner or operator must complete installation of the air pollution control devices no later than February 2, 2002.

(D) The owner or operator must conduct initial

compliance testing of each air pollution control device by April 2, 2002.

(E) The owner or operator must complete all requirements to show compliance no later than three years following EPA approval of the Plan or September 15, 2002, whichever is earlier.

(e) If the petition is granted, the owner or operator must comply with the schedule in the compliance plan.

R307-222-4. Large, Medium and Urban Small Incinerators.

Except as provided in Section R307-222-5, each incinerator must comply with the emissions limitations of Table 1 in 40 CFR Part 60, Subpart Ce, 40 CFR 60.57c, and 40 CFR 60.56c excluding 56c(b)(12) and 56c(c)(3), which are adopted and incorporated by reference.

R307-222-5. Small Rural Incinerators.

(1) A small rural incinerator is a small incinerator as defined in Section R307-222-2 that:

(a) is located more than 50 miles from the boundary of the nearest Standard Metropolitan Statistical Area listed in OMB bulletin No. 93-17 entitled "Revised Statistical definitions for Metropolitan Areas," June 30, 1993; and

(b) burns less than 2000 pounds per week of hospital, medical or infectious waste or any combination of them. The 2000 pounds per week limitation does not apply during performance tests.

(2) Each small rural incinerator must comply with the emission limits of Table 2 in 40 CFR Part 60, Subpart Ce, which are adopted and incorporated by reference.

(3) Each small incinerator must comply with the inspection requirements of 40 CFR 60.36e(a)(1) and (a)(2), which are adopted and incorporated by reference. An inspection meeting these requirements must be conducted within one year after federal approval of the Plan incorporated by reference in R307-220-3, and annually no more than 12 months following the previous annual inspection.

(4) Each small incinerator must comply with the compliance and performance testing requirements of 40 CFR 60.37e(b)(1) through (b)(5), which are adopted and incorporated by reference.

(5) Each small incinerator must comply with the monitoring requirements of 40 CFR 60.37e(d)(1) through (d)(3), which are adopted and incorporated by reference.

(6) Each small incinerator must comply with the recordkeeping and reporting requirements of 40 CFR 60.38e(b)(1) and (b)(2), which are adopted and incorporated by reference.

KEY: air pollution, hospitals, medical incinerator*, infectious waste*
November 25, 1998 19-2-104

R307. Environmental Quality, Air Quality.
R307-301. Utah and Weber Counties: Oxygenated Gasoline Program.
R307-301-1. Definitions.

The following additional definitions apply to R307-301.

"Averaging period" is the control period and means the period of time over which all gasoline sold or dispensed for use in a control area by any control area responsible party or blender control area responsible party must comply with the average oxygen content standard.

"Blender control area responsible party (blender CAR)" means a person who owns oxygenated gasoline which is sold or dispensed from a control area oxygenate blending installation.

"Blending Allowance" means the amount of oxygen a gasoline blend is allowed above its upper oxygen content limit. Any gasoline blended under the provisions of 42 U.S.C. 7545(f)(1) addressing substantially similar fuels are permitted a blending allowance of 0.2% oxygen by weight. Blending allowances are not given to gasoline blends granted a waiver by the Administrator under 42 U.S.C. 7545(f)(4).

"Carrier" means any person who transports, stores or causes the transportation or storage of gasoline at any point in the gasoline distribution network, without taking title to or otherwise having ownership of the gasoline, and without altering the quality or quantity of the gasoline.

"Control area" means a geographic area in which only gasoline under the oxygenated gasoline program may be sold or dispensed during the control period.

"Control area oxygenate blending installation" means any installation or truck at which oxygenate is added to gasoline or gasoline blendstock which is intended for use in any control area, and at which the quality or quantity of the gasoline or gasoline blendstock is not otherwise altered, except through the addition of deposit-control additives.

"Control area responsible party (CAR)" means a person who owns oxygenated gasoline which is sold or dispensed from a control area terminal.

"Control area terminal" means either a terminal which is capable of receiving gasoline in bulk, i.e., by pipeline, marine vessel or barge, or a terminal at which gasoline is altered either in quantity or quality, excluding the addition of deposit control additives, or both. Gasoline which is intended for use in any control area is sold or dispensed into trucks at these control area terminals.

"Control period" means November 1 through the last day of February, during which time only oxygenated gasoline may be sold and dispensed in any control area.

"Destination" means:

(1) for all control periods prior to the trigger date:

(a) the Provo-Orem Metropolitan Statistical Area (MSA), all of Utah County or

(b) anywhere except Utah County; and

(2) for all control periods subsequent to the trigger date:

(a) Utah County, the Provo-Orem Metropolitan Statistical Area,

(b) Weber County, or

(c) anywhere except Utah County and Weber County.

"Distributor" means any person who transports or stores or causes the transportation or storage of gasoline at any point between any gasoline refiner's installation and any retail outlet or wholesale purchaser-consumer's installation. A distributor is a blender CAR if the distributor alters the oxygen content of gasoline intended for use in any control area through the addition of one or more oxygenates, or lowers its oxygen content below the minimum oxygen content specified in R307-301-6.

"Gasoline" means any fuel sold for use in motor vehicles and motor vehicle engines, and commonly or commercially known or sold as gasoline.

"Gasoline blendstock" means a hydrocarbon material which by itself does not meet specifications for finished gasoline, but which can be blended with other components, including oxygenates, to produce a blended gasoline fully meeting the American Society for Testing and Materials (ASTM) or state specifications.

"Non-oxygenated gasoline" means any gasoline which does not meet the definition of oxygenated gasoline.

"Oxygen content of gasoline blends" means percentage of oxygen by weight contained in a gasoline blend, based upon the percent by volume of each type of oxygenate contained in the gasoline blend, excluding denaturants and other non-oxygen-containing compounds. All measurements shall be adjusted to 60 degrees Fahrenheit.

"Oxygenate" means any substance, which when added to gasoline, increases the amount of oxygen in that gasoline blend. Lawful use of any combination of these substances requires that they be substantially similar as provided for under 42 U.S.C. 7545(f)(1), or be permitted under a waiver granted by the Administrator of the Environmental Protection Agency under the authority of 42 U.S.C. 7545(f)(4).

"Oxygenate blender" means a person who owns, leases, operates, controls, or supervises a control area oxygenate blending installation.

"Oxygenated gasoline" means any gasoline which contains at least 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1%, that was produced through the addition of one or more oxygenates to a gasoline and has been included in the oxygenated gasoline program accounting by a control area responsible party or blender control area responsible party and which is intended to be sold or dispensed for use in any control area. Notwithstanding the foregoing, if the Board determines that the requirement of 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1%, will prevent or interfere with attainment of the PM_{10} National Ambient Air Quality Standard and the State requests and is granted a waiver from the Administrator of the Environmental Protection Agency under 42 U.S.C. 7545, the waiver amount granted by the Administrator of the Environmental Protection Agency shall apply. Oxygenated gasoline containing lead is required to conform to the same waiver conditions or substantially similar ruling as unleaded gasoline as described in the definition of oxygenate.

"Refiner" means any person who owns, leases, operates, controls, or supervises a refinery which produces gasoline for use in a control area during the applicable control period.

"Refinery" means a plant at which gasoline is produced.

"Reseller" means any person who purchases gasoline and resells or transfers it to a retailer or a wholesale purchaser-

consumer.

"Retail outlet" means any establishment at which gasoline is sold or offered for sale to the ultimate consumer for use in motor vehicles.

"Retailer" means any person who owns, leases, operates, controls, or supervises a retail outlet.

"Terminal" means an installation at which gasoline is sold, or dispensed into trucks for transportation to retail outlets or wholesale purchaser-consumer installations.

"Trigger date" means the date on which is triggered the Contingency Action Level specified in Section IX.C.8.h of the state implementation plan.

"Wholesale purchaser-consumer" means any organization that:

(1) is an ultimate consumer of gasoline;

(2) purchases or obtains gasoline from a supplier for use in motor vehicles; and

(3) receives delivery of that product into a storage tank of at least 550-gallon capacity substantially under the control of that organization.

"Working day" means Monday through Friday, excluding observed federal and Utah state holidays.

R307-301-2. Applicability and Control Period Start Dates.

(1) Unless waived under authority of 42 U.S.C. 7545(m)(3) by the Administrator of the Environmental Protection Agency, R307-301 is applicable in Utah and Weber Counties.

(2) The first control period for areas for which R307-301 is applicable begins:

(a) November 1, 1992, for the entire Provo-Orem Metropolitan Statistical Area which includes all of Utah County; and

(b) November 1 following the trigger date for Weber County.

R307-301-3. Average Oxygen Content Standard.

(1) All gasoline sold or dispensed during the control period, for use in each control area, by each CAR or blender CAR as defined in R307-301-1, shall be blended for each averaging period to contain an average oxygen content of not less than 2.7% oxygen by weight, except that:

(a) if the Board determines that the 2.7% oxygen by weight requirement will prevent or interfere with attainment of the PM_{10} National Ambient Air Quality Standards and the State requests and is granted a waiver from the Administrator of the Environmental Protection Agency under 42 U.S.C. 7545, the waiver amount granted by the Administrator of the Environmental Protection Agency, shall apply;

(b) if the enhanced inspection and maintenance program specified in Section IX, Part C.6.j(2)(b) of the state implementation plan is not implemented by January 1, 1996 (or if an equivalent automotive improvement program is not implemented that results in emissions factors equal to or less than the emission factors in Table IX.C.23 of the state implementation plan), all gasoline sold or dispensed during the control period beginning November 1, 1996, and subsequent control periods, for use in the Provo-Orem MSA, by each CAR or blender CAR as defined in R307-301-1, shall be blended to contain an average oxygen content of not less than 3.1% by weight until the next full control period following one year after the implementation of an enhanced inspection and maintenance program with mobile source emission factors equal to or less than every emission factor in the matrix in Table IX.C.23 of the state implementation plan and the enhanced inspection and maintenance performance standards of 40 CFR 51.351 or until the next full control period following implementation of a program that would result in emission factors equal to or less than the mobile source emission factors in the matrix contained in Table IX.C.23 of the state implementation plan;

(c) if triggered as a contingency measure, as specified in Section IX, Part C.6.f of the state implementation plan, all gasoline sold or dispensed during the control period for use in the Provo-Orem MSA, by each CAR or blender CAR as defined in R307-301-1, shall be blended to contain an average oxygen content of not less than 3.1% by weight until it is shown to be unnecessary in the maintenance demonstration required by the Clean Air Act or until it is replaced with other control measures in a state implementation plan revision that demonstrates attainment of the National Ambient Air Quality Standard.

(2) The averaging period over which all gasoline sold or dispensed in the control area is to be averaged shall be equal to the control period.

(3) All gasoline, both leaded and unleaded, shall be blended in compliance with 40 CFR Part 79 (1991) - Registration of Fuels and Fuel Additives and 40 CFR Part 80 (1991) - Regulation of Fuels and Fuel Additives.

(4) Any gasoline blended under 42 U.S.C. 7545(f)(1) dealing with substantially similar fuels must be blended in compliance with the criteria specified in the substantially similar ruling. Any extra volume of oxygenate or oxygenates added to gasoline blended under a substantially similar ruling as provided for under 42 U.S.C. 7545(f)(1) in excess of the criteria specified in 42 U.S.C. 7545(f)(1) may not be included in the compliance calculations specified in R307-301-5(2) and (3).

(5) Any gasoline blended under a waiver granted by the Environmental Protection Agency under the provisions of 42 U.S.C. 7545(f)(4) must be blended in compliance with the criteria specified in the appropriate waiver. Gasoline blends waived to oxygen content above 2.7% oxygen by weight are not permitted a blending allowance for blending tolerance purposes. Any extra volume of oxygenate in excess of the criteria specified in the appropriate waiver may not be included in the compliance calculations specified in R307-301-5(2) or (3).

(6) Oxygen content shall be determined in accordance with R307-301-4.

R307-301-4. Sampling, Testing, and Oxygen Content Calculations.

(1) For the purpose of determining compliance with the requirements of R307-301, the oxygen content of gasoline shall be determined by one or both of the two following methods.

(a) Volumetric Method. Oxygen content may be calculated by the volumetric method specified in the Environmental Protection Agency Guidelines for Oxygenated Gasoline Credit Programs under Section 211(m) of the Clean Air Act as Amended - Supplementary Information - Oxygen Content Conversions, published in the Federal Register on October 20,

1992.

(b) Chemical Analysis Method.

(i) Use the sampling methodologies detailed in 40 CFR Part 80 (1993), Appendix D, to obtain a representative sample of the gasoline to be tested;

(ii) Determine the oxygenate content of the sample by use of:

(A) the test method specified in ASTM Designation D4815-93, Testing Procedures--Method--ASTM Standard Test Method for Determination of C1 to C4 Alcohols and MTBE in Gasoline by Gas Chromatography,

(B) the test method specified in Appendix C of Environmental Protection Agency Guidelines for Oxygenated Gasoline Credit Programs under Section 211(m) of the Clean Air Act as Amended - Test Procedure Test for the Determination of Oxygenates in Gasoline as published in the Federal Register on October 20, 1992, or

(C) an alternative test method approved by the executive secretary.

(iii). Calculate the oxygen content of the gasoline sampled by multiplying the mass concentration of each oxygenate in the gasoline sampled by the oxygen molecular weight contribution of the oxygenate set forth in (3) below.

(2) All volume measurements required in R307-301-4 shall be adjusted to 60 degrees Fahrenheit.

(3) For the purposes of R307-301, the oxygen molecular weight contributions and specific gravities of oxygenates currently approved for use in the United States by the U.S. Environmental Protection Agency are the following:

TABLE

Specific Gravity and Weight Percent Oxygen of Common Oxygenates

oxygenate	weight fraction oxygen	specific gravity at 60 degrees F
ethyl alcohol	0.3473	0.7939
normal propyl alcohol	0.2662	0.8080
isopropyl alcohol	0.2662	0.7899
normal butyl alcohol	0.2158	0.8137
isobutyl alcohol	0.2158	0.8058
secondary butyl alcohol	0.2158	0.8114
tertiary butyl alcohol	0.2158	0.7922
methyl tertiary-butyl ether (MTBE)	0.1815	0.7460
tertiary amyl methyl ether (TAME)	0.1566	0.7752
ethyl tertiary-butyl ether (ETBE)	0.1566	0.7452

(4) Sampling, testing, and oxygen content calculation records shall be maintained for not less than two years after the end of each control period for which the information is required.

(5) Every refiner must determine the oxygen content of all gasoline produced for use in a control area by use of the methodology specified in (1) above. Documentation shall include the percent oxygen by weight, each type of oxygenate, the purity of each oxygenate, and the percent oxygenate by volume for each oxygenate. If a CAR or blender CAR alters the oxygen content of a gasoline intended for use within a control area during a control period, the CAR or blender CAR must determine the oxygen content of the gasoline by use of the methodology specified in (1) above.

R307-301-5. Alternative Compliance Options.

(1) Each CAR or blender CAR shall comply with the standard specified in R307-301-3 by means of the method set forth in either (2) or (3) below and shall specify which option will be used at the time of the registration required under R307-301-7.

(2) Compliance calculation on average basis.

(a) The CAR or blender CAR shall determine compliance with the standard specified in R307-301-3 for each averaging period and for each control area by:

(i) Calculating the total volume of gasoline labeled as oxygenated that is sold or dispensed, not including volume dispensed or sold to another CAR or blender CAR, for use in the control area which is the sum of:

(A) the volume of each separate batch or truckload of gasoline labeled as oxygenated that is sold or dispensed;

(B) minus the volume of each separate batch or truckload of gasoline labeled as oxygenated that is sold or dispensed for use in a different control area;

(C) minus the volume of each separate batch or truckload of gasoline labeled as oxygenated that is sold or dispensed for use in any non-control area.

(ii) Calculating the required total oxygen credit units. Multiply the total volume in gallons of gasoline labeled as oxygenated that is sold or dispensed for use in the control area, as determined by (i) above, by the oxygen content standard specified in R307-301-3(1).

(iii) Calculating the actual total oxygen credit units generated. The actual total oxygen credit units generated is the sum of the volume of each batch or truckload of gasoline labeled as oxygenated that was sold or dispensed for use in the control area as determined by (i) above, multiplied by the actual oxygen content by weight percent associated with each batch or truckload. If a batch or truckload of gasoline is blended under the substantially similar provisions of 42 U.S.C. 7545(f)(1) or under a waiver granted by the Environmental Protection Agency under the provisions of 42 U.S.C. 7545(f)(4), any extra volume of oxygenate in excess of the substantially similar criteria including the blending tolerance of 0.2% oxygen by weight, or in excess of the appropriate waiver, cannot be included in the calculation of oxygen credit units.

(iv) Calculating the adjusted actual total oxygen credit units. The adjusted actual total oxygen content units is the sum of the actual total oxygen credit units generated, as determined by (iii) above;

(A) plus the total oxygen credit units purchased, acquired through trade and received; and

(B) minus the total oxygen credit units sold,given away and provided through trade.

(v) Comparing the adjusted actual total oxygen credit units with the required total oxygen credit units. If the adjusted actual total content oxygen credit units is greater than or equal to the required total oxygen credit units, then the standard in R307-301-3 is met. If the adjusted actual total oxygen credit units is less than the required total oxygen credit units, then the purchase of oxygen credit units is required in order to achieve compliance.

(vi) In transferring oxygen credit units, the transferor shall provide the transferee with information as to how the credits were calculated, including the volume and oxygen content by weight percent of the gasoline associated with the credits.

(b) To determine the oxygen credit units associated with each batch or truck load of oxygenated gasoline sold or dispensed into the control area, use the running weighted oxygen content (RWOC) of the tank from which and at the time the batch or truckload was received (see (c) below). In the case of batches or truckloads of gasoline to which oxygenate was added outside of the terminal storage tank from which it was received, use the weighted average of the RWOC and the oxygen content added as a result of the volume of the additional oxygenate added.

(c) Running weighted oxygen content. The RWOC accounts for the volume and oxygen content of all gasoline, including transfers to or from another CAR or blender CAR, which enters or leaves a terminal storage tank, and the oxygen contribution of all oxygenates which are added to the tank. The RWOC must be calculated each time gasoline enters or leaves the tank or whenever oxygenates are added to the tank. The RWOC is calculated weighing the following:

(i) the volume and oxygen content by weight percent of the gasoline in the storage tank at the beginning of the averaging period;

(ii) the volume and oxygen content by weight percent of gasoline entering the storage tank;

(iii) the volume and oxygen content by weight percent of gasoline leaving the storage tank; and

(iv) the volume, type, purity and oxygen content by weight percent of the oxygenates added to the storage tank.

(d) Credit transfers. Credits may be used in the compliance calculation in (2)(a)(i) above, provided that:

(i) the credits are generated in the same control area as they are used, i.e., no credits may be transferred between nonattainment areas;

(ii) the credits are generated in the same averaging period as they are used;

(iii) the ownership of credits is transferred only between CARs or blender CARs registered under the averaging compliance option specified in R307-301-7;

(iv) the credit transfer agreement is made no later than 30 working days, as defined in R307-301-1, after the final day of the averaging period in which the credits are generated; and

(v) the credits are properly created.

(e) Improperly created credits.

(i) No party may transfer any credits to the extent such a transfer would result in the transferor having a negative credit balance at the conclusion of the averaging period for which the credits were transferred. Any credits transferred in violation of this paragraph are improperly created credits.

(ii) Improperly created credits may not be used, regardless of a credit transferee's good faith belief that the transferee was receiving valid credits.

(3) Compliance calculation on a per gallon basis. Each gallon of gasoline sold or dispensed by a CAR or blender CAR for use within each control area during the averaging period as defined in R307-301-1 shall have an oxygen content of at least the average oxygen content standard specified in R307-301-3(1). The maximum oxygen content which may be used to calculate compliance is the average oxygen content standard specified in R307-301-3. In addition, the CAR or blender CAR is prohibited from selling, trading or providing oxygen credits based on gasoline for which compliance is calculated under this alternative per-gallon method.

R307-301-6. Minimum Oxygen Content.

(1) Any gasoline which is sold or dispensed by a CAR, blender CAR, carrier, distributor, or reseller for use within a control area, as defined in R307-301-1, during the control period, shall contain not less than 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1%, unless it is sold or dispensed to another registered CAR or blender CAR. This requirement shall begin five working days, as defined in R307-301-1, before the applicable control period and shall apply until the end of that period.

(2) This requirement shall apply to all parties downstream of the CAR or blender CAR unless the gasoline will be sold or dispensed to another CAR or blender CAR. Any gasoline which is offered for sale, sold or dispensed to an ultimate consumer within a control area during a control period, as defined in R307-301-1, shall not contain less than 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1%. This requirement shall apply during the entire applicable control period.

(3) Every refiner must determine the oxygen content of all gasoline produced by use of the methodologies described in R307-301-4. This determination shall include the oxygen content by weight percent, each type of oxygenate, and percent oxygenate by volume for each type of oxygenate.

(4) Any gasoline sold or dispensed by a CAR or blender CAR for use within a control area and for which compliance is demonstrated using the method specified in (3) shall contain not less than the average oxygen content standard specified in R307-301-3(1), unless the gasoline is sold or dispensed to another registered CAR or blender CAR.

R307-301-7. Registration.

(1) All persons who sell or dispense gasoline directly or indirectly to persons who sell or dispense to ultimate consumers in a control area during a control period, including CARs, blender CARs, carriers, resellers, and distributors, shall petition the executive secretary for registration not less than one calendar month in advance of such sales or transfers of gasoline into the control area during the control period.

(2) This petition for registration shall be on forms prescribed by the executive secretary and shall include the following information:

(a) the name and business address of the CAR, blender CAR, carrier, reseller, or distributor;

(b) in the case of a CAR, the address and physical location of each of the control area terminals from which the CAR operates;

(c) in the case of a blender CAR, the address and physical location of each control area oxygenate blending installation which is owned, leased, operated, or controlled, or supervised by a blender CAR;

(d) in the case of a carrier, distributor, or reseller, the names and addresses of retailers they supply;

(e) the address and physical location where documents which are required to be retained by R307-301 shall be kept; and

(f) in the case of a CAR or blender CAR, the compliance option chosen under provisions of R307-301-5 and a list of oxygenates which will be used.

(3) If the registration information previously supplied by a registered party under the provisions of (2)(a) through (e) becomes incomplete or inaccurate, that party shall submit updated registration information to the executive secretary within 15 working days as defined in R307-301-1. If the information required under (2)(f) is to change, the updated registration information must be submitted to the executive secretary before the change is made.

(4) No person shall participate in the oxygenated gasoline program as a CAR, blender CAR, carrier, reseller, or distributor until such person has been notified by the executive secretary that such person has been registered as a CAR, blender CAR, carrier, reseller, or distributor. Registration shall be valid for the time period specified by the executive secretary. The executive secretary shall issue each CAR, blender CAR, carrier, reseller, or distributor a unique identification number within one calendar month of the petition for registration.

R307-301-8. Recordkeeping.

(1) Records. All parties in the gasoline distribution network, as described below, shall maintain records containing compliance information enumerated or described below. These records shall be retained by the regulated parties for a period of two years after the end of each control period for which the information is required.

(a) Refiners. Refiners shall, for each separate quantity of gasoline produced or imported for use in a control area during a control period, maintain records containing the following information:

(i) results of the tests utilized to determine the types of oxygenates and percent by volume;

(ii) percent oxygenate content by volume of each oxygenate;

(iii) oxygen content by weight percent;

(iv) purity of each oxygenate;

(v) total volume of gasoline; and

(vi) the name and address of the party to whom each separate quantity of oxygenated gasoline was sold or transferred.

(b) Control area terminal operators. Persons who own, lease, operate or control gasoline terminals which serve control areas, or any truck- or terminal-lessee who subleases any portion of a leased tank or terminal to other persons, shall maintain a copy of the transfer document for each batch or truckload of gasoline received, purchased, sold or dispensed, and shall maintain records containing the following information:

(i) the owner of each batch of gasoline handled by each regulated installation if known, or the storage customer of record;

(ii) volume of each batch or truckload of gasoline going into or out of the terminal;

(iii) for all batches or truckloads of gasoline leaving the terminal, the RWOC of the batch or truckload;

(iv) for each oxygenate, the type of oxygenate, purity if available, and percent oxygenate by volume;

(v) oxygen content by weight percent of all batches or truckloads received at the terminal;

(vi) destination, as defined in R307-301-1, of each tank truck sale or batch of gasoline as declared by the purchaser of the gasoline;

(vii) the name and address of the party to whom the gasoline was sold or transferred and the date of the sale or transfer, and

(viii) the results of the tests for oxygenates, if performed, of each sale or transfer, and who performed the tests.

(c) CARs and blender CARs. Each CAR must maintain records containing the information listed in (b) above. Each CAR and blender CAR must maintain a copy of the transfer document for each shipment of gasoline received, purchased, sold or dispensed, as well as the records containing the following information:

(i) CAR or blender CAR identification number;

(ii) the name and address of the person from whom each shipment of gasoline was received, and the date when it was received;

(iii) data on each shipment of gasoline received, including:

(A) the volume of each shipment;

(B) type of oxygenate or oxygenates, and percentage by volume; and

(C) oxygen content by weight percent;

(iv) the volume of each receipt of bulk oxygenates;

(v) the name and address of the parties from whom bulk oxygenate was received;

(vi) the date and destination, as defined in R307-301-1, of each sale of gasoline;

(vii) data on each shipment of gasoline sold or dispensed including:

(A) the volume of each shipment;

(B) type of each oxygenate, and percent by volume for each oxygenate, and

(C) oxygen content by weight percent;

(viii) documentation of the results of all tests done regarding the oxygen content of gasoline;

(ix) the names, addresses and CAR or blender CAR identification numbers of the parties to whom any gasoline was sold or dispensed, and the dates of these transactions; and

(x) in the case of CARs or blender CARs that elect to comply with the average oxygen content standard specified in R307-301-3 by means of the compliance option specified in R307-301-5(2) must also maintain records containing the following information:

(A) records supporting and demonstrating compliance with the averaging standard specified in R307-301-3; and

(B) for any credits bought, sold, traded, or transferred, the dates of the transactions, the names, addresses and CAR or blender CAR identification numbers of the CARs and blender CARs involved in the individual transactions, and the amount of credits transferred. Any credits transferred must be accompanied by a demonstration of how those credits were calculated. Adequate documentation that both parties have agreed to all credit transfers within 30 working days, as defined in R307-301-1, following the close of the averaging period must be included.

(d) Retailers and wholesale purchaser-consumers within a control area must maintain the following records:

(i) the names, addresses and CAR, blender CAR, carrier,

distributor, or reseller identification numbers of the parties from whom all shipments of gasoline were purchased or received, and the dates when they were received and for each shipment of gasoline bought, sold or transported:

(A) the transfer document as specified in R307-301-8(3) and

(B) a copy of each contract for delivery of oxygenated gasoline and

(ii) data on every shipment of gasoline bought, sold or transported, including:

(A) volume of each shipment;

(B) for each oxygenate, the type, percent by volume and purity (if available);

(C) oxygen content by weight percent; and

(D) destination, as defined in R307-301-1, of each sale or shipment of gasoline; and

(iii) the name and telephone number of the person responsible for maintaining the records and the address where the records are located, if the location of the records is different from the station or outlet location.

(e) Carriers, distributors, resellers, terminal operators, and oxygenate blenders must keep a copy of the transfer document for each truckload or shipment of gasoline received, obtained, purchased, sold or dispensed.

R307-301-9. Reports.

(1) Each CAR or blender CAR that elects to comply with the average oxygen content standard specified in R307-301-3 by the compliance option specified in R307-301-5(2) shall submit a report to the executive secretary for each control period for each control area as defined in R307-301-1 reflecting the compliance information detailed in R307-301-5(2).

(2) Each CAR or blender CAR that elects to comply with the average oxygen content standard specified in R307-301-3 shall submit a report to the executive secretary for each control period for each control area as defined in R307-301-1 reflecting the compliance information detailed in R307-301-5(3), including the volume of oxygenated gasoline sold or dispensed into each control area during the control period.

(3) The report is due 30 working days, as defined in R307-301-1, after the last day of the control period for which the information is required. The report shall be filed using forms provided by the executive secretary.

R307-301-10. Transfer Documents.

Each time that physical custody or title of gasoline destined for a control area changes hands other than when gasoline is sold or dispensed for use in motor vehicles at a retail outlet or wholesale purchaser-consumer installation, the transferor shall provide to the transferee, in addition to, or as part of, normal bills of lading, invoices, etc., a document containing information regarding that shipment. This document shall accompany every shipment of gasoline to a control area after it has been dispensed by a terminal, or the information shall be included in the normal paperwork which accompanies every shipment of gasoline. The information shall legibly and conspicuously contain the following information:

(1) the date of the transfer;

(2) the name, address, and CAR, blender CAR, carrier, distributor, or reseller identification number, if applicable, of the transferor;

(3) the name, address, and CAR, blender CAR, carrier, distributor, or reseller identification number, if applicable, of the transferee;

(4) the volume of gasoline which is being transferred;

(5) identification of the gasoline as oxygenated or, if non-oxygenated, with a statement labeling it as "Non-oxygenated gasoline, not for sale to ultimate consumer in a control area during a control period";

(6) the location of the gasoline at the time of the transfer;

(7) type of each oxygenate and percentage by volume for each oxygenate;

(8) oxygen content by weight percent; and

(9) for gasoline which is in the gasoline distribution network between the refinery or import installation and the control area terminal, for each oxygenate used, the type of oxygenate, its purity and percentage by volume and the oxygen content by weight percent.

R307-301-11. Prohibited Activities.

(1) During the control period, no refiner, oxygenate blender, CAR, blender CAR, control area terminal operator, carrier, distributor or reseller may manufacturer, sell, offer for sale, dispense, supply, offer for supply, store, transport, or cause the transport of:

(a) gasoline which contains less than 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1% oxygen, for use during the control period, in a control area unless clearly marked documents accompany the gasoline labeling it as "Non-oxygenated gasoline, not for sale to ultimate consumer in a control area during a control period"; or

(b) gasoline represented as oxygenated which has an oxygen content which is improperly stated in the documents which accompany such gasoline.

(2) No retailer or wholesale purchaser-consumer may dispense, offer for sale, sell or store, for use during the control period, gasoline which contains less than 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1% in a control area.

(3) No person may operate as a CAR or blender CAR or hold themselves out as such unless they have been properly registered by the executive secretary. No CAR or blender CAR may offer for sale or store, sell, or dispense gasoline, to any person not registered as a CAR or blender CAR for use in a control area, unless:

(a) the average oxygen content of the gasoline during the averaging period meets the standard established in R307-301-3; and

(b) the gasoline contains at least 2.0% oxygen by weight, or 2.6% oxygen by weight if the average oxygen content standard is 3.1% on a per-gallon basis.

(4) For terminals which sell or dispense gasoline intended for use in a control area during a control period, the terminal owner or operator may not accept gasoline into the terminal unless:

(a) transfer documentation containing the information specified in R307-301-8(3) accompanies the gasoline and

(b) the terminal owner or operator conducts a quality

assurance program to verify the accuracy of this information.

(5) No person may sell or dispense non-oxygenated gasoline for use in any control area during the control period, unless:

(a) the non-oxygenated gasoline is segregated from oxygenated gasoline;

(b) clearly marked documents accompany the non-oxygenated gasoline labeling it as "non-oxygenated gasoline, not for sale to ultimate consumer in a control area during a control period," and

(c) the non-oxygenated gasoline is in fact not sold or dispensed to ultimate consumers during the control period in the control area.

(6) No named person may fail to comply with the recordkeeping and reporting requirements contained in R307-301-8 through 10.

(7) No person may sell, dispense or transfer oxygenated gasoline, except for use by the ultimate consumer at a retail outlet or wholesale purchaser-consumer installation, without transfer documents which accurately contain the information required by R307-301-10).

(8) Liability for violations of the prohibited activities.

(a) Where the gasoline contained in any storage tank at any installation owned, leased, operated, controlled or supervised by any retailer, wholesale purchaser-consumer, distributor, reseller, carrier, refiner, or oxygenate blender is found in violation of the prohibitions described in (1)(a) or (2) above, the following persons shall be in violation:

(i) the retailer, wholesale purchaser-consumer, distributor, reseller, carrier, refiner, or oxygenate blender who owns, leases, operates, controls or supervises the installation where the violation is found; and

(ii) each oxygenate blender, distributor, reseller, and carrier who, downstream of the control area terminal, sold, offered for sale, dispensed, supplied, offered for supply, stored, transported, or caused the transportation of any gasoline which is in the storage tank containing gasoline found to be in violation.

(b) Where the gasoline contained in any storage tank at any installation owned, leased, operated, controlled or supervised by any retailer, wholesale purchaser-consumer, distributor, reseller, carrier, refiner, or oxygenate blender is found in violation of the prohibitions described in (1)(b) or (2) above, the following persons shall be in violation:

(i) the retailer, wholesale purchaser-consumer, distributor, reseller, carrier, refiner, or oxygenate blender who owns, leases, operates, controls or supervises the installation where the violation is found; and

(ii) each refiner, oxygenate blender, distributor, reseller, and carrier who manufactured, imported, sold, offered for sale, dispensed, supplied, offered for supply, stored, transported, or caused the transportation of any gasoline which is in the storage tank containing gasoline found to be in violation.

(9) Defenses for prohibited activities.

(a) In any case in which a refiner, oxygenate blender, distributor, reseller or carrier would be in violation under (1) above, that person shall not be in violation if they can demonstrate that they meet all of the following:

(i) that the violation was not caused by the regulated party or its employee or agent;

(ii) that refiner, oxygenate blender, distributor, reseller or carrier possesses documents which should accompany the gasoline, which contain the information required by R307-301-8; and

(iii) that refiner, oxygenate blender, distributor, reseller or carrier conducts a quality assurance sampling and testing program as described in (10) below.

(b) In any case in which a retailer or wholesale purchaser-consumer would be in violation under (2) above, the retailer or wholesale purchaser-consumer shall not be in violation if it can demonstrate that they meet all of the following:

(i) that the violation was not caused by the regulated party or its employee or agent; and

(ii) that the retailer or wholesale purchaser-consumer possess documents which should accompany the gasoline, which contain the information required by R307-301-8 through 10.

(c) Where a violation is found at an installation which is operating under the corporate, trade or brand name of a refiner, that refiner must show, in addition to the defense elements required by (a) above, that the violation was caused by any of the following:

(i) an act in violation of law (other than the Clean Air Act or R307-301), or an act of sabotage or vandalism, or

(ii) the action of a reseller, distributor, oxygenate blender, carrier, or a retailer, or wholesale purchaser-consumer which is supplied by any of the persons listed in (a) above, in violation of a contractual undertaking imposed by the refiner designed to prevent such action, and despite periodic sampling and testing by the refiner to ensure compliance with such contractual obligation; or

(iii) the action of any carrier or other distributor not subject to a contract with the refiner but engaged by the refiner for transportation of gasoline, despite specification or inspection of procedures and equipment by the refiner or periodic sampling and testing which are reasonably calculated to prevent such action.

(d) In R307-301-8 through 11, the term "was caused" means that the party must demonstrate by specific showings or by direct evidence, that the violation was caused or must have been caused by another.

(10) Quality Assurance Program. In order to demonstrate an acceptable quality assurance program, a party must conduct periodic sampling and testing to determine if the oxygenated gasoline has oxygen content which is consistent with the product transfer documentation.

R307-301-12. Labeling of Pumps.

(1) Any person selling or dispensing oxygenated gasoline pursuant to R307-301 is required to label the fuel dispensing system with one of the following notices.

(a) "The gasoline dispensed from this pump is oxygenated and will reduce carbon monoxide pollution from motor vehicles. This fuel contains up to (specify maximum percent by volume) (specific oxygenate or specific combination of oxygenates in concentrations of at least one percent)."

(b) "The gasoline dispensed from this pump is oxygenated and will reduce carbon monoxide pollution from motor vehicles.

This fuel contains up to (specify maximum percent by volume) (specific oxygenate or combination of oxygenates present in concentrations of at least one percent) from November 1 through February 29."

(2) The label letters shall be block letters of no less than 20-point type, at least 1/16 inch stroke (width of type), and of a color that contrasts with the label background color. The label letters that specify maximum percent oxygenate by volume and that disclose the specific oxygenate shall be at least 1/2 inch in height, 1/16 inch stroke (width of type).

(3) The label must be affixed to the upper one-half of the vertical surface of the pump on each side with gallonage and dollar amount meters from which gasoline can be dispensed and must be clearly readable to the public.

(4) The retailer or wholesale purchaser-consumer shall be responsible for compliance with R307-301-12.

R307-301-13. Inspections.

Inspections of registered parties, control area retailers, refineries, control area terminals, oxygenate blenders and control area wholesale purchaser-consumers may include the following:

(1) physical sampling, testing, and calculation of oxygen content of the gasoline as specified in R307-301-4;

(2) review of documentation relating to the oxygenated gasoline program, including but not limited to records specified in R307-301-8; and

(3) in the case of control area retailers and wholesale purchaser-consumers, verification that gasoline dispensing pumps are labeled in accordance with R307-301-12.

R307-301-14. Public and Industry Education Program.

The executive secretary shall provide to the affected public, mechanics, and industry information regarding the benefits of the program and other issues related to oxygenated gasoline.

KEY: air pollution control, motor vehicles, gasoline, petroleum

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R307. Environmental Quality, Air Quality.
R307-415. Permits: Operating Permit Requirements.
R307-415-1. Purpose.

Title V of the Clean Air Act (the Act) requires states to develop and implement a comprehensive air quality permitting program. Title V of the Act does not impose new substantive requirements. Title V does require that sources subject to R307-415 pay a fee and obtain a renewable operating permit that clarifies, in a single document, which requirements apply to a source and assures the source's compliance with those requirements. The purpose of R307-415 is to establish the procedures and elements of such a program.

R307-415-2. Authority.

R307-415 is required by Title V of the Act and 40 Code of Federal Regulations (CFR) Part 70, and is adopted under the authority of Section 19-2-104.

R307-415-3. Definitions.

(1) The definitions contained in R307-101-2 apply throughout R307-415, except as specifically provided in (2).

(2) The following additional definitions apply to R307-415.

"Act" means the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.

"Administrator" means the Administrator of EPA or his or her designee.

"Affected States" are all states:

(a) Whose air quality may be affected and that are contiguous to Utah; or

(b) That are within 50 miles of the permitted source.

"Air Pollutant" means an air pollution agent or combination of such agents, including any physical, chemical, biological, or radioactive (including source material, special nuclear material, and byproduct material) substance or matter which is emitted into or otherwise enters the ambient air. Such term includes any precursors to the formation of any air pollutant, to the extent the Administrator has identified such precursor or precursors for the particular purpose for which the term air pollutant is used.

"Applicable requirement" means all of the following as they apply to emissions units in a Part 70 source, including requirements that have been promulgated or approved by the Board or by the EPA through rulemaking at the time of permit issuance but have future-effective compliance dates:

(a) Any standard or other requirement provided for in the State Implementation Plan;

(b) Any term or condition of any approval order issued under R307-401;

(c) Any standard or other requirement under Section 111 of the Act, Standards of Performance for New Stationary Sources, including Section 111(d);

(d) Any standard or other requirement under Section 112 of the Act, Hazardous Air Pollutants, including any requirement concerning accident prevention under Section 112(r)(7) of the Act;

(e) Any standard or other requirement of the Acid Rain Program under Title IV of the Act or the regulations promulgated thereunder;

(f) Any requirements established pursuant to Section 504(b) of the Act, Monitoring and Analysis, or Section 114(a)(3) of the Act, Enhanced Monitoring and Compliance Certification;

(g) Any standard or other requirement governing solid waste incineration, under Section 129 of the Act;

(h) Any standard or other requirement for consumer and commercial products, under Section 183(e) of the Act;

(i) Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under Title VI of the Act, unless the Administrator has determined that such requirements need not be contained in an operating permit;

(j) Any national ambient air quality standard or increment or visibility requirement under part C of Title I of the Act, but only as it would apply to temporary sources permitted pursuant to Section 504(e) of the Act;

(k) Any standard or other requirement under rules adopted by the Board.

"Area source" means any stationary source that is not a major source.

"Designated representative" shall have the meaning given to it in Section 402 of the Act and in 40 CFR Section 72.2, and applies only to Title IV affected sources.

"Draft permit" means the version of a permit for which the Executive Secretary offers public participation under R307-415-7i or affected State review under R307-415-8(2).

"Emissions allowable under the permit" means a federally-enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit, including a work practice standard, or a federally-enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

"Emissions unit" means any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any hazardous air pollutant. This term is not meant to alter or affect the definition of the term "unit" for purposes of Title IV of the Act, Acid Deposition Control.

"Final permit" means the version of an operating permit issued by the Executive Secretary that has completed all review procedures required by R307-415-7a through 7i and R307-415-8.

"General permit" means an operating permit that meets the requirements of R307-415-6d.

"Hazardous Air Pollutant" means any pollutant listed by the Administrator as a hazardous air pollutant under Section 112(b) of the Act.

"Major source" means any stationary source (or any group of stationary sources that are located on one or more contiguous or adjacent properties, and are under common control of the same person (or persons under common control)) belonging to a single major industrial grouping and that are described in paragraphs (a), (b), or (c) of this definition. For the purposes of defining "major source," a stationary source or group of stationary sources shall be considered part of a single industrial grouping if all of the pollutant emitting activities at such source or group of sources on contiguous or adjacent properties belong to the same Major Group (all have the same two-digit code) as described in the Standard Industrial Classification Manual, 1987. Emissions resulting directly from an internal combustion

engine for transportation purposes or from a non-road vehicle shall not be considered in determining whether a stationary source is a major source under this definition.

(a) A major source under Section 112 of the Act, Hazardous Air Pollutants, which is defined as: for pollutants other than radionuclides, any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit, in the aggregate, ten tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of such hazardous air pollutants. Notwithstanding the preceding sentence, emissions from any oil or gas exploration or production well, with its associated equipment, and emissions from any pipeline compressor or pump station shall not be aggregated with emissions from other similar units, whether or not such units are in a contiguous area or under common control, to determine whether such units or stations are major sources.

(b) A major stationary source of air pollutants, as defined in Section 302 of the Act, that directly emits or has the potential to emit, 100 tons per year or more of any air pollutant, including any major source of fugitive emissions or fugitive dust of any such pollutant as determined by rule by the Administrator. The fugitive emissions or fugitive dust of a stationary source shall not be considered in determining whether it is a major stationary source for the purposes of Section 302(j) of the Act, unless the source belongs to any one of the following categories of stationary source:

(i) Coal cleaning plants with thermal dryers;

(ii) Kraft pulp mills;

(iii) Portland cement plants;

(iv) Primary zinc smelters;

(v) Iron and steel mills;

(vi) Primary aluminum ore reduction plants;

(vii) Primary copper smelters;

(viii) Municipal incinerators capable of charging more than 250 tons of refuse per day;

(ix) Hydrofluoric, sulfuric, or nitric acid plants;

(x) Petroleum refineries;

(xi) Lime plants;

(xii) Phosphate rock processing plants;

(xiii) Coke oven batteries;

(xiv) Sulfur recovery plants;

(xv) Carbon black plants, furnace process;

(xvi) Primary lead smelters;

(xvii) Fuel conversion plants;

(xviii) Sintering plants;

(xix) Secondary metal production plants;

(xx) Chemical process plants;

(xxi) Fossil-fuel boilers, or combination thereof, totaling more than 250 million British thermal units per hour heat input;

(xxii) Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels;

(xxiii) Taconite ore processing plants;

(xxiv) Glass fiber processing plants;

(xxv) Charcoal production plants;

(xxvi) Fossil-fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input;

(xxvii) All other stationary source categories regulated by a standard promulgated under Section 111 of the Act, Standards of Performance for New Stationary Sources, or Section 112 of the Act, Hazardous Air Pollutants, but only with respect to those air pollutants that have been regulated for that category.

(c) A major stationary source as defined in part D of Title I of the Act, Plan Requirements for Nonattainment Areas, including:

(i) For ozone nonattainment areas, sources with the potential to emit 100 tons per year or more of volatile organic compounds or oxides of nitrogen in areas classified as "marginal" or "moderate," 50 tons per year or more in areas classified as "serious," 25 tons per year or more in areas classified as "severe," and 10 tons per year or more in areas classified as "extreme"; except that the references in this paragraph to 100, 50, 25, and 10 tons per year of nitrogen oxides shall not apply with respect to any source for which the Administrator has made a finding, under Section 182(f)(1) or (2) of the Act, that requirements under Section 182(f) of the Act do not apply;

(ii) For ozone transport regions established pursuant to Section 184 of the Act, sources with the potential to emit 50 tons per year or more of volatile organic compounds;

(iii) For carbon monoxide nonattainment areas that are classified as "serious" and in which stationary sources contribute significantly to carbon monoxide levels as determined under rules issued by the Administrator, sources with the potential to emit 50 tons per year or more of carbon monoxide;

(iv) For PM-10 particulate matter nonattainment areas classified as "serious," sources with the potential to emit 70 tons per year or more of PM-10 particulate matter.

"Non-Road Vehicle" means a vehicle that is powered by an internal combustion engine (including the fuel system), that is not a self-propelled vehicle designed for transporting persons or property on a street or highway or a vehicle used solely for competition, and is not subject to standards promulgated under Section 111 of the Act (New Source Performance Standards) or Section 202 of the Act (Motor Vehicle Emission Standards).

"Operating permit" or "permit," unless the context suggests otherwise, means any permit or group of permits covering a Part 70 source that is issued, renewed, amended, or revised pursuant to these rules.

"Part 70 Source" means any source subject to the permitting requirements of R307-415, as provided in R307-415-4.

"Permit modification" means a revision to an operating permit that meets the requirements of R307-415-7f.

"Permit revision" means any permit modification or administrative permit amendment.

"Permit shield" means the permit shield as described in R307-415-6f.

"Proposed permit" means the version of a permit that the Executive Secretary proposes to issue and forwards to EPA for review in compliance with R307-415-8.

"Regulated air pollutant" means any of the following:

(a) Nitrogen oxides or any volatile organic compound;

(b) Any pollutant for which a national ambient air quality standard has been promulgated;

(c) Any pollutant that is subject to any standard

promulgated under Section 111 of the Act, Standards of Performance for New Stationary Sources;

(d) Any Class I or II substance subject to a standard promulgated under or established by Title VI of the Act, Stratospheric Ozone Protection;

(e) Any pollutant subject to a standard promulgated under Section 112, Hazardous Air Pollutants, or other requirements established under Section 112 of the Act, including Sections 112(g), (j), and (r) of the Act, including any of the following:

(i) Any pollutant subject to requirements under Section 112(j) of the Act, Equivalent Emission Limitation by Permit. If the Administrator fails to promulgate a standard by the date established pursuant to Section 112(e) of the Act, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established pursuant to Section 112(e) of the Act;

(ii) Any pollutant for which the requirements of Section 112(g)(2) of the Act (Construction, Reconstruction and Modification) have been met, but only with respect to the individual source subject to Section 112(g)(2) requirement.

"Renewal" means the process by which a permit is reissued at the end of its term.

"Responsible official" means one of the following:

(a) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) the operating facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million in second quarter 1980 dollars; or

(ii) the delegation of authority to such representative is approved in advance by the Executive Secretary;

(b) For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

(c) For a municipality, State, Federal, or other public agency: either a principal executive officer or ranking elected official. For the purposes of R307-415, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency;

(d) For Title IV affected sources:

(i) The designated representative in so far as actions, standards, requirements, or prohibitions under Title IV of the Act, Acid Deposition Control, or the regulations promulgated thereunder are concerned;

(ii) The responsible official as defined above for any other purposes under R307-415.

"Stationary source" means any building, structure, facility, or installation that emits or may emit any regulated air pollutant or any hazardous air pollutant.

"Title IV Affected source" means a source that contains one or more affected units as defined in Section 402 of the Act and in 40 CFR, Part 72.

R307-415-4. Applicability.

(1) Part 70 sources. All of the following sources are subject to the permitting requirements of R307-415, and unless exempted under (2) below are required to submit an application for an operating permit:

(a) Any major source;

(b) Any source, including an area source, subject to a standard, limitation, or other requirement under Section 111 of the Act, Standards of Performance for New Stationary Sources;

(c) Any source, including an area source, subject to a standard or other requirement under Section 112 of the Act, Hazardous Air Pollutants, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under Section 112(r) of the Act, Prevention of Accidental Releases;

(d) Any Title IV affected source.

(2) Source category exemptions. The following source categories are exempted from the requirement to obtain an operating permit.

(a) All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR Part 60, Subpart AAA - Standards of Performance for New Residential Wood Heaters;

(b) All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR Part 61, Subpart M - National Emission Standard for Hazardous Air Pollutants for Asbestos, Section 61.145, Standard for Demolition and Renovation. For Part 70 sources, demolition and renovation activities within the source under 40 CFR 61.145 shall be treated as a separate source for the purpose of R307-415.

(3) Emissions units and Part 70 sources.

(a) For major sources, the Executive Secretary shall include in the permit all applicable requirements for all relevant emissions units in the major source.

(b) For any area source subject to the operating permit program under R307-415-4(1) or (2), the Executive Secretary shall include in the permit all applicable requirements applicable to emissions units that cause the source to be subject to the operating permit program.

(4) Fugitive emissions. Fugitive emissions and fugitive dust from a Part 70 source shall be included in the permit application and the operating permit in the same manner as stack emissions, regardless of whether the source category in question is included in the list of source categories contained in the definition of major source.

(5) Control requirements. R307-415 does not establish any new control requirements beyond those established by applicable requirements, but may establish new monitoring, recordkeeping, and reporting requirements.

(6) Synthetic minors. An existing source that wishes to avoid designation as a major Part 70 source under R307-415, must obtain federally-enforceable conditions which reduce the potential to emit, as defined in R307-101-2, to less than the level established for a major Part 70 source. Such federally-enforceable conditions may be obtained by applying for and receiving an approval order under R307-401. The approval order shall contain periodic monitoring, recordkeeping, and reporting requirements sufficient to verify continuing compliance with the conditions which would reduce the source's

potential to emit.

R307-415-5a. Permit Applications: Duty to Apply.

For each Part 70 source, the owner or operator shall submit a timely and complete permit application. A pre-application conference may be held at the request of a Part 70 source or the Executive Secretary to assist a source in submitting a complete application.

(1) Timely application.

(a) Except as provided in the transition plan under (3) below, a timely application for a source applying for an operating permit for the first time is one that is submitted within 12 months after the source becomes subject to the permit program.

(b) Except as provided in the transition plan under (3) below, any Part 70 source required to meet the requirements under Section 112(g) of the Act, Hazardous Air Pollutant Modifications, or required to receive an approval order to construct a new source or modify an existing source under R307-401, shall file a complete application to obtain an operating permit or permit revision within 12 months after commencing operation of the newly constructed or modified source. Where an existing operating permit would prohibit such construction or change in operation, the source must obtain a permit revision before commencing operation.

(c) For purposes of permit renewal, a timely application is one that is submitted by the renewal date established in the permit. The Executive Secretary shall establish a renewal date for each permit that is at least six months and not greater than 18 months prior to the date of permit expiration. A source may submit a permit application early for any reason, including timing of other application requirements.

(2) Complete application.

(a) To be deemed complete, an application must provide all information sufficient to evaluate the subject source and its application and to determine all applicable requirements pursuant to R307-415-5c. Applications for permit revision need supply such information only if it is related to the proposed change. A responsible official shall certify the submitted information consistent with R307-415-5d.

(b) Unless the Executive Secretary notifies the source in writing within 60 days of receipt of the application that an application is not complete, such application shall be deemed to be complete. A completeness determination shall not be required for minor permit modifications. If, while processing an application that has been determined or deemed to be complete, the Executive Secretary determines that additional information is necessary to evaluate or take final action on that application, the Executive Secretary may request such information in writing and set a reasonable deadline for a response. The source's ability to operate without a permit, as set forth in R307-415-7b(2), shall be in effect from the date the application is determined or deemed to be complete until the final permit is issued, provided that the applicant submits any requested additional information by the deadline specified in writing by the Executive Secretary.

(3) Transition Plan. A timely application under the transition plan is an application that is submitted according to the following schedule:

(a) All Title IV affected sources shall submit an operating permit application as well as an acid rain permit application in accordance with the date required by 40 CFR Part 72 effective April 11, 1995, Subpart C-Acid Rain Permit Applications;

(b) All major Part 70 sources operating as of July 10, 1995, except those described in (a) above, and all solid waste incineration units operating as of July 10, 1995, that are required to obtain an operating permit pursuant to 42 U.S.C. Sec. 7429(e) shall submit a permit application by October 10, 1995.

(c) Area sources.

(i) The Executive Secretary shall develop general permits and application forms for area source categories.

(ii) After a general permit has been issued for a source category, the Executive Secretary shall establish a due date for permit applications from all area sources in that source category.

(iii) The Executive Secretary shall provide at least six months notice that the application is due for a source category.

(iv) Except as provided in (a) and (b) above, all area sources are required to submit a permit application by July 10, 2000, unless required earlier as provided in (ii) above.

(d) Extensions. The owner or operator of any Part 70 source may petition the Executive Secretary for an extension of the application due date for good cause. The due date for major Part 70 sources shall not be extended beyond July 10, 1996. The due date for an area source shall not be extended beyond July 10, 2000.

(e) Application shield. If a source submits a timely and complete application under this transition plan, the application shield under R307-415-7b(2) shall apply to the source. If a source submits a timely application and is making sufficient progress toward correcting an application determined to be incomplete, the Executive Secretary may extend the application shield under R307-415-7b(2) to the source when the application is determined complete. The application shield shall not be extended to any major source that has not submitted a complete application by July 10, 1996, or to any area source that has not submitted a complete application by July 10, 2000.

(f) Permit issuance. The Executive Secretary shall take final action on all complete applications from major Part 70 sources by July 10, 1998.

(4) Confidential information. Claims of confidentiality on information submitted to EPA may be made pursuant to applicable federal requirements. Claims of confidentiality on information submitted to the Department shall be made and governed according to Section 19-1-306. In the case where a source has submitted information to the Department under a claim of confidentiality that also must be submitted to the EPA, the Executive Secretary shall either submit the information to the EPA under Section 19-1-306, or require the source to submit a copy of such information directly to EPA.

(5) Late applications. An application submitted after the deadlines established in R307-415-5a shall be accepted for processing, but shall not be considered a timely application. Submitting an application shall not relieve a source of any enforcement actions resulting from submitting a late application.

R307-415-5b. Permit Applications: Duty to Supplement or Correct Application.

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a draft permit.

R307-415-5c. Permit Applications: Standard Requirements.

Information as described below for each emissions unit at a Part 70 source shall be included in the application except for insignificant activities and emissions levels under R307-415-5e. The operating permit application shall include the elements specified below:

(1) Identifying information, including company name, company address, plant name and address if different from the company name and address, owner's name and agent, and telephone number and names of plant site manager or contact.

(2) A description of the source's processes and products by Standard Industrial Classification Code, including any associated with each alternate scenario identified by the source.

(3) The following emissions-related information:

(a) A permit application shall describe the potential to emit of all air pollutants for which the source is major, and the potential to emit of all regulated air pollutants and hazardous air pollutants from any emissions unit, except for insignificant activities and emissions under R307-415-5e. For emissions of hazardous air pollutants under 1,000 pounds per year, the following ranges may be used in the application: 1-10 pounds per year, 11-499 pounds per year, 500-999 pounds per year. The mid-point of the range shall be used to calculate the emission fee under R307-415-9 for hazardous air pollutants reported as a range.

(b) Identification and description of all points of emissions described in (a) above in sufficient detail to establish the basis for fees and applicability of applicable requirements.

(c) Emissions rates in tons per year and in such terms as are necessary to establish compliance with applicable requirements consistent with the applicable standard reference test method.

(d) The following information to the extent it is needed to determine or regulate emissions: fuels, fuel use, raw materials, production rates, and operating schedules.

(e) Identification and description of air pollution control equipment and compliance monitoring devices or activities.

(f) Limitations on source operation affecting emissions or any work practice standards, where applicable, for all regulated air pollutants and hazardous air pollutants at the Part 70 source.

(g) Other information required by any applicable requirement, including information related to stack height limitations developed pursuant to Section 123 of the Act.

(h) Calculations on which the information in items (a) through (g) above is based.

(4) The following air pollution control requirements:

(a) Citation and description of all applicable requirements, and

(b) Description of or reference to any applicable test method for determining compliance with each applicable requirement.

(5) Other specific information that may be necessary to implement and enforce applicable requirements or to determine the applicability of such requirements.

(6) An explanation of any proposed exemptions from otherwise applicable requirements.

(7) Additional information as determined to be necessary by the Executive Secretary to define alternative operating scenarios identified by the source pursuant to R307-415-6a(9) or to define permit terms and conditions implementing emission trading under R307-415-7d(1)(c) or R307-415-6a(10).

(8) A compliance plan for all Part 70 sources that contains all of the following:

(a) A description of the compliance status of the source with respect to all applicable requirements.

(b) A description as follows:

(i) For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements.

(ii) For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis.

(iii) For requirements for which the source is not in compliance at the time of permit issuance, a narrative description of how the source will achieve compliance with such requirements.

(c) A compliance schedule as follows:

(i) For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements.

(ii) For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis. A statement that the source will meet in a timely manner applicable requirements that become effective during the permit term shall satisfy this provision, unless a more detailed schedule is expressly required by the applicable requirement.

(iii) A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. Such a schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the source will be in noncompliance at the time of permit issuance. This compliance schedule shall resemble and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.

(d) A schedule for submission of certified progress reports every six months, or more frequently if specified by the underlying applicable requirement or by the Executive Secretary, for sources required to have a schedule of compliance to remedy a violation.

(e) The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for a Title IV affected source, except as specifically superseded by regulations promulgated under Title IV of the Act, Acid Deposition Control, with regard

to the schedule and methods the source will use to achieve compliance with the acid rain emissions limitations.

(9) Requirements for compliance certification, including all of the following:

(a) A certification of compliance with all applicable requirements by a responsible official consistent with R307-415-5d and Section 114(a)(3) of the Act, Enhanced Monitoring and Compliance Certification.

(b) A statement of methods used for determining compliance, including a description of monitoring, recordkeeping, and reporting requirements and test method.

(c) A schedule for submission of compliance certifications during the permit term, to be submitted annually, or more frequently if specified by the underlying applicable requirement or by the Executive Secretary.

(d) A statement indicating the source's compliance status with any applicable enhanced monitoring and compliance certification requirements of the Act.

(10) Nationally-standardized forms for acid rain portions of permit applications and compliance plans, as required by regulations promulgated under Title IV of the Act, Acid Deposition Control.

R307-415-5d. Permit Applications: Certification.

Any application form, report, or compliance certification submitted pursuant to R307-415 shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under R307-415 shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

R307-415-5e. Permit Applications: Insignificant Activities and Emissions.

An application may not omit information needed to determine the applicability of, or to impose, any applicable requirement, or to evaluate the fee amount required under R307-415-9. The following lists apply only to operating permit applications and do not affect the applicability of R307-415 to a source, do not affect the requirement that a source receive an approval order under R307-401, and do not relieve a source of the responsibility to comply with any applicable requirement.

(1) The following insignificant activities and emission levels are not required to be included in the permit application.

(a) Exhaust systems for controlling steam and heat that do not contain combustion products, except for systems that are subject to an emission standard under any applicable requirement.

(b) Air contaminants that are present in process water or non-contact cooling water as drawn from the environment or from municipal sources, or air contaminants that are present in compressed air or in ambient air, which may contain air pollution, used for combustion.

(c) Air conditioning or ventilating systems not designed to remove air contaminants generated by or released from other processes or equipment.

(d) Disturbance of surface areas for purposes of land development, not including mining operations or the disturbance of contaminated soil.

(e) Brazing, soldering, or welding operations.

(f) Aerosol can usage.

(g) Road and parking lot paving operations, not including asphalt, sand and gravel, and cement batch plants.

(h) Fire training activities that are not conducted at permanent fire training facilities.

(i) Landscaping, janitorial, and site housekeeping activities, including fugitive emissions from landscaping activities.

(j) Architectural painting.

(k) Office emissions, including cleaning, copying, and restrooms.

(l) Wet wash aggregate operations that are solely dedicated to this process.

(m) Air pollutants that are emitted from personal use by employees or other persons at the source, such as foods, drugs, or cosmetics.

(n) Air pollutants that are emitted by a laboratory at a facility under the supervision of a technically qualified individual as defined in 40 CFR 720.3(ee); however, this exclusion does not apply to specialty chemical production, pilot plant scale operations, or activities conducted outside the laboratory.

(o) Maintenance on petroleum liquid handling equipment such as pumps, valves, flanges, and similar pipeline devices and appurtenances when purged and isolated from normal operations.

(p) Portable steam cleaning equipment.

(q) Vents on sanitary sewer lines.

(r) Vents on tanks containing no volatile air pollutants, e.g., any petroleum liquid, not containing Hazardous Air Pollutants, with a Reid Vapor Pressure less than 0.05 psia.

(2) The following insignificant activities are exempted because of size or production rate and a list of such insignificant activities must be included in the application. The Executive Secretary may require information to verify that the activity is insignificant.

(a) Emergency heating equipment, using coal, wood, kerosene, fuel oil, natural gas, or LPG for fuel, with a rated capacity less than 50,000 BTU per hour.

(b) Individual emissions units having the potential to emit less than one ton per year per pollutant of PM10 particulate matter, nitrogen oxides, sulfur dioxide, volatile organic compounds, or carbon monoxide, unless combined emissions from similar small emission units located within the same Part 70 source are greater than five tons per year of any one pollutant. This does not include emissions units that emit air contaminants other than PM10 particulate matter, nitrogen oxides, sulfur dioxide, volatile organic compounds, or carbon monoxide.

(c) Petroleum industry flares, not associated with refineries, combusting natural gas containing no hydrogen sulfide except in amounts less than 500 parts per million by weight, and having the potential to emit less than five tons per year per air contaminant.

(d) Road sweeping.

(e) Road salting and sanding.

(f) Unpaved public and private roads, except unpaved haul roads located within the boundaries of a stationary source. A

haul road means any road normally used to transport people, livestock, product or material by any type of vehicle.

(g) Non-commercial automotive (car and truck) service stations dispensing less than 6,750 gal. of gasoline/month

(h) Hazardous Air Pollutants present at less than 1% concentration, or 0.1% for a carcinogen, in a mixture used at a rate of less than 50 tons per year, provided that a National Emission Standards for Hazardous Air Pollutants standard does not specify otherwise.

(i) Fuel-burning equipment, in which combustion takes place at no greater pressure than one inch of mercury above ambient pressure, with a rated capacity of less than five million BTU per hour using no other fuel than natural gas, or LPG or other mixed gas distributed by a public utility.

(j) Comfort heating equipment (i.e., boilers, water heaters, air heaters and steam generators) with a rated capacity of less than one million BTU per hour if fueled only by fuel oil numbers 1 - 6.

(3) Any person may petition the Board to add an activity or emission to the list of Insignificant Activities and Emissions which may be excluded from an operating permit application under (1) or (2) above upon a change in the rule and approval of the rule change by EPA. The petition shall include the following information:

(a) A complete description of the activity or emission to be added to the list.

(b) A complete description of all air contaminants that may be emitted by the activity or emission, including emission rate, air pollution control equipment, and calculations used to determine emissions.

(c) An explanation of why the activity or emission should be exempted from the application requirements for an operating permit.

(4) The executive secretary may determine on a case-by-case basis, insignificant activities and emissions for an individual Part 70 source that may be excluded from an application or that must be listed in the application, but do not require a detailed description. No activity with the potential to emit greater than two tons per year of any criteria pollutant, five tons of a combination of criteria pollutants, 500 pounds of any hazardous air pollutant or one ton of a combination of hazardous air pollutants shall be eligible to be determined an insignificant activity or emission under this subsection (4).

R307-415-6a. Permit Content: Standard Requirements.

Each permit issued under R307-415 shall include the following elements:

(1) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of permit issuance;

(a) The permit shall specify and reference the origin of and authority for each term or condition, and identify any difference in form as compared to the applicable requirement upon which the term or condition is based.

(b) The permit shall state that, where an applicable requirement is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, Acid Deposition Control, both provisions shall be incorporated into the permit.

(c) If the State Implementation Plan allows a determination of an alternative emission limit at a Part 70 source, equivalent to that contained in the State Implementation Plan, to be made in the permit issuance, renewal, or significant modification process, and the Executive Secretary elects to use such process, any permit containing such equivalency determination shall contain provisions to ensure that any resulting emissions limit has been demonstrated to be quantifiable, accountable, enforceable, and based on replicable procedures.

(2) Permit duration. Except as provided by Section 19-2-109.1(3), the Executive Secretary shall issue permits for a fixed term of five years.

(3) Monitoring and related recordkeeping and reporting requirements.

(a) Each permit shall contain the following requirements with respect to monitoring:

(i) All emissions monitoring and analysis procedures or test methods required under the applicable requirements, including any procedures and methods promulgated pursuant to Sections 504(b) of the Act, Monitoring and Analysis, or Section 114(a)(3) of the Act, Enhanced Monitoring and Compliance Certification;

(ii) Where the applicable requirement does not require periodic testing or instrumental or noninstrumental monitoring, which may consist of recordkeeping designed to serve as monitoring, periodic monitoring sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the permit, as reported pursuant to (3)(c) below. Such monitoring requirements shall assure use of terms, test methods, units, averaging periods, and other statistical conventions consistent with the applicable requirement. Recordkeeping provisions may be sufficient to meet the requirements of this paragraph;

(iii) As necessary, requirements concerning the use, maintenance, and, where appropriate, installation of monitoring equipment or methods.

(b) With respect to recordkeeping, the permit shall incorporate all applicable recordkeeping requirements and require, where applicable, the following:

(i) Records of required monitoring information that include the following:

(A) The date, place as defined in the permit, and time of sampling or measurements;

(B) The dates analyses were performed;

(C) The company or entity that performed the analyses;

(D) The analytical techniques or methods used;

(E) The results of such analyses;

(F) The operating conditions as existing at the time of sampling or measurement;

(ii) Retention of records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(c) With respect to reporting, the permit shall incorporate all applicable reporting requirements and require all of the

following:

(i) Submittal of reports of any required monitoring every six months, or more frequently if specified by the underlying applicable requirement or by the Executive Secretary. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with R307-415-5d.

(ii) Prompt reporting of deviations from permit requirements including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. The Executive Secretary shall define "prompt" in relation to the degree and type of deviation likely to occur and the applicable requirements. Deviations from permit requirements due to unavoidable breakdowns shall be reported according to the unavoidable breakdown provisions of R307-107. The Executive Secretary may establish more stringent reporting deadlines if required by the applicable requirement.

(d) Claims of confidentiality shall be governed by Section 19-1-306.

(4) Acid Rain Allowances. For Title IV affected sources, a permit condition prohibiting emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder.

(a) No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program, provided that such increases do not require a permit revision under any other applicable requirement.

(b) No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

(c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

(5) A severability clause to ensure the continued validity of the various permit requirements in the event of a challenge to any portions of the permit.

(6) Standard provisions stating the following:

(a) The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; denial of a permit renewal application.

(b) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(c) The permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition, except as provided under R307-415-7f(1) for minor permit modifications.

(d) The permit does not convey any property rights of any sort, or any exclusive privilege.

(e) The permittee shall furnish to the Executive Secretary, within a reasonable time, any information that the Executive Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Executive Secretary copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality.

(7) Emission fee. A provision to ensure that a Part 70 source pays fees to the Executive Secretary consistent with R307-415-9.

(8) Emissions trading. A provision stating that no permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit.

(9) Alternate operating scenarios. Terms and conditions for reasonably anticipated operating scenarios identified by the source in its application as approved by the Executive Secretary. Such terms and conditions:

(a) Shall require the source, contemporaneously with making a change from one operating scenario to another, to record in a log at the permitted facility a record of the scenario under which it is operating;

(b) Shall extend the permit shield to all terms and conditions under each such operating scenario; and

(c) Must ensure that the terms and conditions of each such alternative scenario meet all applicable requirements and the requirements of R307-415.

(10) Emissions trading. Terms and conditions, if the permit applicant requests them, for the trading of emissions increases and decreases in the permitted facility, to the extent that the applicable requirements provide for trading such increases and decreases without a case-by-case approval of each emissions trade. Such terms and conditions:

(a) Shall include all terms required under R307-415-6a and 6c to determine compliance;

(b) Shall extend the permit shield to all terms and conditions that allow such increases and decreases in emissions; and

(c) Must meet all applicable requirements and requirements of R307-415.

R307-415-6b. Permit Content: Federally-Enforceable Requirements.

(1) All terms and conditions in an operating permit, including any provisions designed to limit a source's potential to emit, are enforceable by EPA and citizens under the Act.

(2) Notwithstanding (1) above, applicable requirements that are not required by the Act or implementing federal regulations shall be included in the permit but shall be specifically designated as being not federally enforceable under the Act and shall be designated as "state requirements." Terms and conditions so designated are not subject to the requirements of R307-415-7a through 7i and R307-415-8 that apply to permit review by EPA and affected states. The Executive Secretary

shall determine which conditions are "state requirements" in each operating permit.

R307-415-6c. Permit Content: Compliance Requirements.

All operating permits shall contain all of the following elements with respect to compliance:

(1) Consistent with R307-415-6a(3), compliance certification, testing, monitoring, reporting, and recordkeeping requirements sufficient to assure compliance with the terms and conditions of the permit. Any document, including any report, required by an operating permit shall contain a certification by a responsible official that meets the requirements of R307-415-5d;

(2) Inspection and entry requirements that require that, upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Executive Secretary or an authorized representative to perform any of the following:

(a) Enter upon the permittee's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

(d) Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements;

(e) Claims of confidentiality on the information obtained during an inspection shall be made pursuant to Section 19-1-306;

(3) A schedule of compliance consistent with R307-415-5c(8);

(4) Progress reports consistent with an applicable schedule of compliance and R307-415-5c(8) to be submitted semiannually, or at a more frequent period if specified in the applicable requirement or by the Executive Secretary. Such progress reports shall contain all of the following:

(a) Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved;

(b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted;

(5) Requirements for compliance certification with terms and conditions contained in the permit, including emission limitations, standards, or work practices. Permits shall include all of the following:

(a) Annual submission of compliance certification, or more frequently if specified in the applicable requirement or by the Executive Secretary;

(b) In accordance with R307-415-6a(3), a means for monitoring the compliance of the source with its emissions limitations, standards, and work practices;

(c) A requirement that the compliance certification include all of the following:

(i) The identification of each term or condition of the permit that is the basis of the certification;

(ii) The compliance status;

(iii) Whether compliance was continuous or intermittent;

(iv) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with R307-415-6a(3);

(v) Such other facts as the Executive Secretary may require to determine the compliance status of the source;

(d) A requirement that all compliance certifications be submitted to the EPA as well as to the Executive Secretary;

(e) Such additional requirements as may be specified pursuant to Section 114(a)(3) of the Act, Enhanced Monitoring and Compliance Certification, and Section 504(b) of the Act, Monitoring and Analysis;

(6) Such other provisions as the Executive Secretary may require.

R307-415-6d. Permit Content: General Permits.

(1) The Executive Secretary may, after notice and opportunity for public participation provided under R307-415-7i, issue a general permit covering numerous similar sources. Any general permit shall comply with all requirements applicable to other operating permits and shall identify criteria by which sources may qualify for the general permit. To sources that qualify, the Executive Secretary shall grant the conditions and terms of the general permit. Notwithstanding the permit shield, the source shall be subject to enforcement action for operation without an operating permit if the source is later determined not to qualify for the conditions and terms of the general permit. General permits shall not be issued for Title IV affected sources under the Acid Rain Program unless otherwise provided in regulations promulgated under Title IV of the Act.

(2) Part 70 sources that would qualify for a general permit must apply to the Executive Secretary for coverage under the terms of the general permit or must apply for an operating permit consistent with R307-415-5a through 5e. The Executive Secretary may, in the general permit, provide for applications which deviate from the requirements of R307-415-5a through 5e, provided that such applications meet the requirements of Title V of the Act, and include all information necessary to determine qualification for, and to assure compliance with, the general permit. Without repeating the public participation procedures required under R307-415-7i, the Executive Secretary may grant a source's request for authorization to operate under a general permit, but such a grant to a qualified source shall not be a final permit action for purposes of judicial review.

R307-415-6e. Permit Content: Temporary Sources.

The owner or operator of a permitted source may temporarily relocate the source for a period not to exceed that allowed by R307-401-7. A permit modification is required to relocate the source for a period longer than that allowed by R307-401-7. No Title IV affected source may be permitted as a temporary source. Permits for temporary sources shall include all of the following:

(1) Conditions that will assure compliance with all applicable requirements at all authorized locations;

(2) Requirements that the owner or operator receive approval to relocate under R307-401-7 before operating at the new location;

(3) Conditions that assure compliance with all other provisions of R307-415.

R307-415-6f. Permit Content: Permit Shield.

(1) Except as provided in R307-415, the Executive Secretary shall include in each operating permit a permit shield provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

(a) Such applicable requirements are included and are specifically identified in the permit; or

(b) The Executive Secretary, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

(2) An operating permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

(3) Nothing in this paragraph or in any operating permit shall alter or affect any of the following:

(a) The emergency provisions of Section 19-1-202 and Section 19-2-112, and the provisions of Section 303 of the Act, Emergency Orders, including the authority of the Administrator under that Section;

(b) The liability of an owner or operator of a source for any violation of applicable requirements under Section 19-2-107(2)(g) and Section 19-2-110 prior to or at the time of permit issuance;

(c) The applicable requirements of the Acid Rain Program, consistent with Section 408(a) of the Act;

(d) The ability of the Executive Secretary to obtain information from a source under Section 19-2-120, and the ability of EPA to obtain information from a source under Section 114 of the Act, Inspection, Monitoring, and Entry.

R307-415-6g. Permit Content: Emergency Provision.

(1) Emergency. An "emergency" is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(2) Effect of an emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of (3) below are met.

(3) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(a) An emergency occurred and that the permittee can identify the causes of the emergency;

(b) The permitted facility was at the time being properly operated;

(c) During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(d) The permittee submitted notice of the emergency to the Executive Secretary within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of R307-415-6a(3)(c)(ii). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(4) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

(5) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

R307-415-7a. Permit Issuance: Action on Application.

(1) A permit, permit modification, or renewal may be issued only if all of the following conditions have been met:

(a) The Executive Secretary has received a complete application for a permit, permit modification, or permit renewal, except that a complete application need not be received before issuance of a general permit;

(b) Except for modifications qualifying for minor permit modification procedures under R307-415-7f(1)and (2), the Executive Secretary has complied with the requirements for public participation under R307-415-7i;

(c) The Executive Secretary has complied with the requirements for notifying and responding to affected States under R307-415-8(2);

(d) The conditions of the permit provide for compliance with all applicable requirements and the requirements of R307-415;

(e) EPA has received a copy of the proposed permit and any notices required under R307-415-8(1) and (2), and has not objected to issuance of the permit under R307-415-8(3) within the time period specified therein.

(2) Except as provided under the initial transition plan provided for under R307-415-5a(3) or under regulations promulgated under Title IV of the Act for the permitting of Title IV affected sources under the Acid Rain Program, the Executive Secretary shall take final action on each permit application, including a request for permit modification or renewal, within 18 months after receiving a complete application.

(3) The Executive Secretary shall promptly provide notice to the applicant of whether the application is complete. Unless the Executive Secretary requests additional information or otherwise notifies the applicant of incompleteness within 60 days of receipt of an application, the application shall be deemed complete. A completeness determination shall not be required for minor permit modifications.

(4) The Executive Secretary shall provide a statement that sets forth the legal and factual basis for the draft permit conditions, including references to the applicable statutory or regulatory provisions. The Executive Secretary shall send this statement to EPA and to any other person who requests it.

(5) The submittal of a complete application shall not affect the requirement that any source have an approval order under R307-401.

R307-415-7b. Permit Issuance: Requirement for a Permit.

(1) Except as provided in R307-415-7d and R307-415-7f(1)(f)and 7f(2)(e), no Part 70 source may operate after the time that it is required to submit a timely and complete application, except in compliance with a permit issued under these rules.

(2) Application shield. If a Part 70 source submits a timely and complete application for permit issuance, including for renewal, the source's failure to have an operating permit is not a violation of R307-415 until the Executive Secretary takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination made pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Executive Secretary any additional information identified as being needed to process the application.

R307-415-7c. Permit Renewal and Expiration.

(1) Permits being renewed are subject to the same procedural requirements, including those for public participation, affected State and EPA review, that apply to initial permit issuance.

(2) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with R307-415-7b and R307-415-5a(1)(c).

(3) If a timely and complete renewal application is submitted consistent with R307-415-7b and R307-415-5a(1)(c)and the Executive Secretary fails to issue or deny the renewal permit before the end of the term of the previous permit, then all of the terms and conditions of the permit, including the permit shield, shall remain in effect until renewal or denial.

R307-415-7d. Permit Revision: Changes That Do Not Require a Revision.

(1) Operational Flexibility.

(a) A Part 70 source may make changes that contravene an express permit term if all of the following conditions have been met:

(i) The source has obtained an approval order, or has met the exemption requirements under R307-402;

(ii) The change would not violate any applicable requirements or contravene any federally enforceable permit terms and conditions for monitoring, including test methods, recordkeeping, reporting, or compliance certification requirements;

(iii) The changes are not modifications under any provision of Title I of the Act; and the changes do not exceed the emissions allowable under the permit, whether expressed therein as a rate of emissions or in terms of total emissions.

(iv) For each such change, the source shall provide written notice to the Executive Secretary and send a copy of the notice to EPA at least seven days before implementing the proposed change. The seven-day requirement may be waived by the Executive Secretary in the case of an emergency. The written notification shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change. The permit shield shall not apply to these changes. The source, the EPA, and the Executive Secretary shall attach each such notice to their copy of the relevant permit.

(b) Emission trading under the State Implementation Plan. Permitted sources may trade increases and decreases in emissions in the permitted facility, where the State Implementation Plan provides for such emissions trades, without requiring a permit revision provided the change is not a modification under any provision of Title I of the Act, the change does not exceed the emissions allowable under the permit, and the source notifies the Executive Secretary and the EPA at least seven days in advance of the trade. This provision is available in those cases where the permit does not already provide for such emissions trading.

(i) The written notification required above shall include such information as may be required by the provision in the State Implementation Plan authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the State Implementation Plan, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the State Implementation Plan and that provide for the emissions trade.

(ii) The permit shield shall not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the State Implementation Plan authorizing the emissions trade.

(c) If a permit applicant requests it, the Executive Secretary shall issue permits that contain terms and conditions, including all terms required under R307-415-6a and 6c to determine compliance, allowing for the trading of emissions increases and decreases in the permitted facility solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements. Such changes in emissions shall not be allowed if the change is a modification under any provision of Title I of the Act or the change would exceed the emissions allowable under the permit. The permit applicant shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The Executive Secretary shall not include in the emissions trading provisions any emissions units for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades. The permit shall also require compliance with all applicable requirements, and shall require the source to notify the Executive Secretary and the EPA in writing at least seven days before making the emission trade.

(i) The written notification shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.

(ii) The permit shield shall extend to terms and conditions that allow such increases and decreases in emissions.

(2) Off-permit changes. A Part 70 source may make changes that are not addressed or prohibited by the permit

without a permit revision, unless such changes are subject to any requirements under Title IV of the Act or are modifications under any provision of Title I of the Act.

(a) Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

(b) Sources must provide contemporaneous written notice to the Executive Secretary and EPA of each such change, except for changes that qualify as insignificant under R307-415-5e. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirements that would apply as a result of the change.

(c) The change shall not qualify for the permit shield.

(d) The permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

(e) The off-permit provisions do not affect the requirement for a source to obtain an approval order under R307-401.

R307-415-7e. Permit Revision: Administrative Amendments.

(1) An "administrative permit amendment" is a permit revision that:

(a) Corrects typographical errors;

(b) Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source;

(c) Requires more frequent monitoring or reporting by the permittee;

(d) Allows for a change in ownership or operational control of a source where the Executive Secretary determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Executive Secretary;

(e) Incorporates into the operating permit the requirements from an approval order issued under R307-401, provided that the procedures for issuing the approval order were substantially equivalent to the permit issuance or modification procedures of R307-415-7a through 7i and R307-415-8, and compliance requirements are substantially equivalent to those contained in R307-415-6a through 6g;

(2) Administrative permit amendments for purposes of the acid rain portion of the permit shall be governed by regulations promulgated under Title IV of the Act.

(3) Administrative permit amendment procedures. An administrative permit amendment may be made by the Executive Secretary consistent with the following:

(a) The Executive Secretary shall take no more than 60 days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected States provided that the Executive Secretary designates any such permit revisions as having been made pursuant to this paragraph. The Executive Secretary shall take final action on a request for a change in ownership or operational control of a source under (1)(d) above within 30 days of receipt of a request.

(b) The Executive Secretary shall submit a copy of the revised permit to EPA.

(c) The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

(4) The Executive Secretary shall, upon taking final action granting a request for an administrative permit amendment, allow coverage by the permit shield for administrative permit amendments made pursuant to (1)(e) above which meet the relevant requirements of R307-415-6a through 6g, 7 and 8 for significant permit modifications.

R307-415-7f. Permit Revision: Modification.

The permit modification procedures described in R307-415-7f shall not affect the requirement that a source obtain an approval order under R307-401 before constructing or modifying a source of air pollution. A modification not subject to the requirements of R307-401 shall not require an approval order in addition to the permit modification as described in this section. A permit modification is any revision to an operating permit that cannot be accomplished under the program's provisions for administrative permit amendments under R307-415-7e. Any permit modification for purposes of the acid rain portion of the permit shall be governed by regulations promulgated under Title IV of the Act.

(1) Minor permit modification procedures.

(a) Criteria. Minor permit modification procedures may be used only for those permit modifications that:

(i) Do not violate any applicable requirement or require an approval order under R307-401;

(ii) Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;

(iii) Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;

(iv) Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such term or condition would include a federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I or an alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the Act, Early Reduction; and

(v) Are not modifications under any provision of Title I of the Act.

(b) Notwithstanding (1)(a)above and (2)(a) below, minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in the State Implementation Plan or an applicable requirement.

(c) Application. An application requesting the use of

minor permit modification procedures shall meet the requirements of R307-415-5c and shall include all of the following:

(i) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

(ii) The source's suggested draft permit;

(iii) Certification by a responsible official, consistent with R307-415-5d, that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used;

(iv) Completed forms for the Executive Secretary to use to notify EPA and affected States as required under R307-415-8.

(d) EPA and affected State notification. Within five working days of receipt of a complete permit modification application, the Executive Secretary shall notify EPA and affected States of the requested permit modification. The Executive Secretary promptly shall send any notice required under R307-415-8(2)(b) to EPA.

(e) Timetable for issuance. The Executive Secretary may not issue a final permit modification until after EPA's 45-day review period or until EPA has notified the Executive Secretary that EPA will not object to issuance of the permit modification, whichever is first. Within 90 days of the Executive Secretary's receipt of an application under minor permit modification procedures or 15 days after the end of EPA's 45-day review period under R307-415-8(3), whichever is later, the Executive Secretary shall:

(i) Issue the permit modification as proposed;

(ii) Deny the permit modification application;

(iii) Determine that the requested modification does not meet the minor permit modification criteria and should be reviewed under the significant modification procedures; or

(iv) Revise the draft permit modification and transmit to EPA the new proposed permit modification as required by R307-415-8(1).

(f) Source's ability to make change. A Part 70 source may make the change proposed in its minor permit modification application immediately after it files such application if the source has received an approval order under R307-401 or has met the approval order exemption requirements under R307-413-1 through 6. After the source makes the change allowed by the preceding sentence, and until the Executive Secretary takes any of the actions specified in (1)(e)(i) through (iii) above, the source must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, the source need not comply with the existing permit terms and conditions it seeks to modify. However, if the source fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it.

(g) Permit shield. The permit shield under R307-415-6f shall not extend to minor permit modifications.

(2) Group processing of minor permit modifications. Consistent with this paragraph, the Executive Secretary may modify the procedure outlined in (1) above to process groups of a source's applications for certain modifications eligible for minor permit modification processing.

(a) Criteria. Group processing of modifications may be used only for those permit modifications:

(i) That meet the criteria for minor permit modification procedures under (1)(a) above; and

(ii) That collectively are below the following threshold level: 10 percent of the emissions allowed by the permit for the emissions unit for which the change is requested, 20 percent of the applicable definition of major source in R307-415-3, or five tons per year, whichever is least.

(b) Application. An application requesting the use of group processing procedures shall meet the requirements of R307-415-5c and shall include the following:

(i) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

(ii) The source's suggested draft permit.

(iii) Certification by a responsible official, consistent with R307-415-5d, that the proposed modification meets the criteria for use of group processing procedures and a request that such procedures be used.

(iv) A list of the source's other pending applications awaiting group processing, and a determination of whether the requested modification, aggregated with these other applications, equals or exceeds the threshold set under R307-415-7e(2)(a)(ii).

(v) Certification, consistent with R307-415-5d, that the source has notified EPA of the proposed modification. Such notification need only contain a brief description of the requested modification.

(vi) Completed forms for the Executive Secretary to use to notify EPA and affected States as required under R307-415-8.

(c) EPA and affected State notification. On a quarterly basis or within five business days of receipt of an application demonstrating that the aggregate of a source's pending applications equals or exceeds the threshold level set under (2)(a)(ii) above, whichever is earlier, the Executive Secretary shall notify EPA and affected States of the requested permit modifications. The Executive Secretary shall send any notice required under R307-415-8(2)(b)to EPA.

(d) Timetable for issuance. The provisions of (1)(e) above shall apply to modifications eligible for group processing, except that the Executive Secretary shall take one of the actions specified in (1)(e)(i) through (iv) above within 180 days of receipt of the application or 15 days after the end of EPA's 45-day review period under R307-415-8(3), whichever is later.

(e) Source's ability to make change. The provisions of (1)(f) above shall apply to modifications eligible for group processing.

(f) Permit shield. The provisions of (1)(g) above shall also apply to modifications eligible for group processing.

(3) Significant modification procedures.

(a) Criteria. Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant. Nothing herein shall be construed to preclude the permittee from making changes consistent with R307-415 that

would render existing permit compliance terms and conditions irrelevant.

(b) Significant permit modifications shall meet all requirements of R307-415, including those for applications, public participation, review by affected States, and review by EPA, as they apply to permit issuance and permit renewal. The Executive Secretary shall complete review on the majority of significant permit modifications within nine months after receipt of a complete application.

R307-415-7g. Permit Revision: Reopening for Cause.

(1) Each issued permit shall include provisions specifying the conditions under which the permit will be reopened prior to the expiration of the permit. A permit shall be reopened and revised under any of the following circumstances:

(a) New applicable requirements become applicable to a major Part 70 source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the terms and conditions of the permit have been extended pursuant to R307-415-7c(3).

(b) Additional requirements, including excess emissions requirements, become applicable to an Title IV affected source under the Acid Rain Program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit.

(c) The Executive Secretary or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

(d) EPA or the Executive Secretary determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(e) Additional applicable requirements are to become effective before the renewal date of the permit and are in conflict with existing permit conditions.

(2) Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

(3) Reopenings under (1) above shall not be initiated before a notice of such intent is provided to the Part 70 source by the Executive Secretary at least 30 days in advance of the date that the permit is to be reopened, except that the Executive Secretary may provide a shorter time period in the case of an emergency.

R307-415-7h. Permit Revision: Reopenings for Cause by EPA.

The Executive Secretary shall, within 90 days after receipt of notification that EPA finds that cause exists to terminate, modify or revoke and reissue a permit, forward to EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate. The Executive Secretary may request a 90-day extension if a new or revised permit application is necessary or if the Executive Secretary determines that the permittee must submit additional information.

R307-415-7i. Public Participation.

The Executive Secretary shall provide for public notice, comment and an opportunity for a hearing on initial permit issuance, significant modifications, reopenings for cause, and renewals, including the following procedures:

(1) Notice shall be given: by publication in a newspaper of general circulation in the area where the source is located; to persons on a mailing list developed by the Executive Secretary, including those who request in writing to be on the list; and by other means if necessary to assure adequate notice to the affected public.

(2) The notice shall identify the Part 70 source; the name and address of the permittee; the name and address of the Executive Secretary; the activity or activities involved in the permit action; the emissions change involved in any permit modification; the name, address, and telephone number of a person from whom interested persons may obtain additional information, including copies of the permit draft, the application, all relevant supporting materials, including any compliance plan or compliance and monitoring certification, and all other materials available to the Executive Secretary that are relevant to the permit decision; a brief description of the comment procedures; and the time and place of any hearing that may be held, including a statement of procedures to request a hearing, unless a hearing has already been scheduled.

(3) The Executive Secretary shall provide such notice and opportunity for participation by affected States as is provided for by R307-415-8.

(4) Timing. The Executive Secretary shall provide at least 30 days for public comment and shall give notice of any public hearing at least 30 days in advance of the hearing.

(5) The Executive Secretary shall keep a record of the commenters and also of the issues raised during the public participation process, and such records shall be available to the public and to EPA.

R307-415-8. Permit Review by EPA and Affected States.

(1) Transmission of information to EPA.

(a) The Executive Secretary shall provide to EPA a copy of each permit application, including any application for permit modification, each proposed permit, and each final operating permit, unless the Administrator has waived this requirement for a category of sources, including any class, type, or size within such category. The applicant may be required by the Executive Secretary to provide a copy of the permit application, including the compliance plan, directly to EPA. Upon agreement with EPA, the Executive Secretary may submit to EPA a permit application summary form and any relevant portion of the permit application and compliance plan, in place of the complete permit application and compliance plan. To the extent practicable, the preceding information shall be provided in computer-readable format compatible with EPA's national database management system.

(b) The Executive Secretary shall keep for five years such records and submit to EPA such information as EPA may reasonably require to ascertain whether the Operating Permit

Program complies with the requirements of the Act or of 40 CFR Part 70.

(2) Review by affected States.

(a) The Executive Secretary shall give notice of each draft permit to any affected State on or before the time that the Executive Secretary provides this notice to the public under R307-415-7i, except to the extent R307-415-7f(1) or (2) requires the timing to be different, unless the Administrator has waived this requirement for a category of sources, including any class, type, or size within such category.

(b) The Executive Secretary, as part of the submittal of the proposed permit to EPA, or as soon as possible after the submittal for minor permit modification procedures allowed under R307-415-7f(1) or (2), shall notify EPA and any affected State in writing of any refusal by the Executive Secretary to accept all recommendations for the proposed permit that the affected State submitted during the public or affected State review period. The notice shall include the Executive Secretary's reasons for not accepting any such recommendation. The Executive Secretary is not required to accept recommendations that are not based on applicable requirements or the requirements of R307-415.

(3) EPA objection. If EPA objects to the issuance of a permit in writing within 45 days of receipt of the proposed permit and all necessary supporting information, then the Executive Secretary shall not issue the permit. If the Executive Secretary fails, within 90 days after the date of an objection by EPA, to revise and submit a proposed permit in response to the objection, EPA may issue or deny the permit in accordance with the requirements of the Federal program promulgated under Title V of the Act.

(4) Public petitions to EPA. If EPA does not object in writing under R307-415-8(3), any person may petition EPA under the provisions of 40 CFR 70.8(d) within 60 days after the expiration of EPA's 45-day review period to make such objection. If EPA objects to the permit as a result of a petition, the Executive Secretary shall not issue the permit until EPA's objection has been resolved, except that a petition for review does not stay the effectiveness of a permit or its requirements if the permit was issued after the end of the 45-day review period and prior to an EPA objection. If the Executive Secretary has issued a permit prior to receipt of an EPA objection under this paragraph, EPA may modify, terminate, or revoke such permit, consistent with the procedures in 40 CFR 70.7(g) except in unusual circumstances, and the Executive Secretary may thereafter issue only a revised permit that satisfies EPA's objection. In any case, the source will not be in violation of the requirement to have submitted a timely and complete application.

(5) Prohibition on default issuance. The Executive Secretary shall not issue an operating permit, including a permit renewal or modification, until affected States and EPA have had an opportunity to review the proposed permit as required under this Section.

R307-415-9. Fees for Operating Permits.

(1) Definitions. The following definitions apply only to R307-415-9.

(a) "Allowable emissions" are emissions based on the potential to emit stated by the Executive Secretary in an approval order, the State Implementation Plan or an operating permit.

(b) "Chargeable pollutant" means any "regulated air pollutant" except the following:

(i) carbon monoxide;

(ii) any pollutant that is a regulated air pollutant solely because it is a Class I or II substance subject to a standard promulgated or established by Title VI of the Act, Stratospheric Ozone Protection;

(iii) any pollutant that is a regulated air pollutant solely because it is subject to a standard or regulation under Section 112(r) of the Act, Prevention of Accidental Releases.

(2) Applicability. As authorized by Section 19-2-109.1, all Part 70 sources must pay an annual fee, based on annual emissions of all chargeable pollutants.

(a) Any Title IV affected source that has been designated as a "Phase I Unit" in a substitution plan approved by the Administrator under 40 CFR Section 72.41 shall be exempted from the requirement to pay an emission fee from January 1, 1995 to December 31, 1999.

(3) Calculation of Annual Emission Fee for a Part 70 Source.

(a) The emission fee shall be calculated for all chargeable pollutants emitted from a Part 70 major source, even if only one unit or one chargeable pollutant triggers the applicability of R307-415 to the source.

(i) Fugitive emissions and fugitive dust shall be counted when determining the emission fee for a Part 70 source.

(ii) An emission fee shall not be charged for emissions of any amount of a chargeable pollutant if the emissions are already accounted for within the emissions of another chargeable pollutant.

(iii) An emission fee shall not be charged for emissions of any one chargeable pollutant from any one Part 70 source in excess of 4,000 tons per year.

(iv) Emissions resulting directly from an internal combustion engine for transportation purposes or from a non-road vehicle shall not be counted when calculating chargeable emissions for a Part 70 source.

(b) The emission fee for an existing source prior to the issuance of an operating permit, shall be based on the most recent emission inventory available unless a Part 70 source elected, prior to July 1, 1992, to base the fee for one or more pollutants on allowable emissions established in an approval order or the State Implementation Plan.

(c) The emission fee after the issuance or renewal of an operating permit shall be based on the most recent emission inventory available unless a Part 70 source elects, prior to the issuance or renewal of the permit, to base the fee for one or more chargeable pollutants on allowable emissions for the entire term of the permit.

(d) When a new Part 70 source begins operating, it shall pay an emission fee for that fiscal year, prorated from the date the source begins operating. The emission fee for a new Part 70 source shall be based on allowable emissions until that source has been in operation for a full calendar year, and has submitted an inventory of actual emissions.

(e) When a Part 70 source ceases operation, is

redesignated as a non-Part 70 source, or is otherwise exempted from the emission fee requirements, the emission fee shall be prorated to the date that the source ceased operation or was reclassified. If the Part 70 source has already paid an emission fee that is greater than the prorated fee, the balance will be credited to the source's account, but will not be refunded. When that Part 70 source resumes operation or again becomes subject to the emission fee requirements, it shall pay an emission fee for that fiscal year prorated from the date the source resumed operation or was reclassified. The fee shall be based on the emission inventory during the last full year of operation for that Part 70 source minus any credit in the source's account.

(i) The emission fee for a Part 70 source that has resumed operation shall continue to be based on actual emissions reported for the last full calendar year of operation before the shutdown until that source has been in operation for a full calendar year and has submitted an updated inventory of actual emissions.

(ii) If a Part 70 source has chosen to base the emission fee on allowable emissions, then the prorated fee or credit shall be calculated using allowable emissions.

(iii) Temporary shut downs of less than three months, or other normal shut downs due to seasonal work or regularly scheduled maintenance shall not qualify for an emission fee credit.

(f) Modifications. The method for calculating the emission fee for a source shall not be affected by modifications at that source, unless the source demonstrates to the Executive Secretary that another method for calculating chargeable emissions is more representative of operations after the modification has been made.

(g) The Executive Secretary may presume that potential emissions of any chargeable pollutant for the source are equivalent to the actual emissions for the source if recent inventory data are not available.

(4) Collection of Fees.

(a) The emission fee is due on October 1 of each calendar year or 45 days after the source has received notice of the amount of the fee, whichever is later.

(b) The Executive Secretary may require any person who fails to pay the annual emission fee by the due date to pay interest on the fee and a penalty under 19-2-109.1(7)(a).

(c) A person may contest an emission fee assessment, or associated penalty, under 19-2-109.1(8).

R307-415-10. Administrative Procedures and Appeals.

(1) Designation of proceedings as formal or informal. The following proceedings and actions are designated to be conducted either formally or informally in accordance with the applicable provisions of Administrative Procedures Act, Title 63, Chapter 46b.

(a) Calculation and assessment of annual emission fees shall be processed informally using the procedures identified in R307-415-9.

(b) Permit issuance, modification, revocation, reissuance and renewal shall be processed informally using the procedures identified in R307-415-2 through R307-415-8.

(c) Appeal of a permit denial or a final permit, as that term is defined in R307-415-3, shall be conducted formally in accordance with Sections 63-46b-6 through 63-46b-13.

(d) A formal adjudicative proceeding may be converted to an informal proceeding or an informal adjudicative proceeding may be converted to a formal proceeding in accordance with Subsection 63-46b-4(3).

(2) Appeals.

(a) The applicant, or any person meeting the requirements of Section 63-46b-9, may appeal a final permit or permit denial by submitting to the Executive Secretary within 30 days of final permit issuance or denial:

(i) a Request for Agency Action in accordance with Section 63-46b-3, and,

(ii) where the person appealing a final permit is not the applicant, a Petition to Intervene in accordance with Section 63-46b-9.

(b) Where appeal of a final permit is based solely on grounds arising after the 30-day deadline for filing an appeal, such requests may be filed no later than 30 days after the new grounds arise.

(3) Judicial Review.

(a) After exhaustion of administrative procedures, judicial review of final agency action shall be in accordance with Sections 63-46b-14 through 63-46b-18, except as provided in (b) below.

(b) Judicial review of the Executive Secretary's failure to act on any operating permit application or renewal shall be in accordance with Section 19-2-109.1(11).

KEY: air pollution, environmental protection, operating permit*, emission fee*
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R315. Environmental Quality, Solid and Hazardous Waste.
R315-301. Solid Waste Authority, Definitions, and General Requirements.
R315-301-1. Authority and Purpose.

The Solid Waste Permitting and Management Rules are promulgated under the authority of the Solid and Hazardous Waste Act, Chapter 6 of Title 19, to protect human health, to prevent land, air and water pollution, and to conserve the state's natural, economic and energy resources by setting minimum performance standards for the proper management of solid wastes originating from residences, commercial, agricultural, and other sources.

R315-301-2. Definitions.

Terms used in Rules R315-301 through R315-320 are defined in Sections 19-1-103 and 19-6-102. In addition, for the purpose of these rules, the following definitions apply.

(1) "Active area" means that portion of a facility where solid waste recycling, reuse, treatment, storage, or disposal operations are being conducted.

(2) "Airport" means a public-use airport open to the public without prior permission and without restrictions within the physical capacities of available facilities.

(3) "Aquifer" means a geological formation, group of formations, or portion of a formation that contains sufficiently saturated permeable material to yield useable quantities of ground water to wells or springs.

(4) "Areas susceptible to mass movement" means those areas of influence, characterized as having an active or substantial possibility of mass movement, where the movement of earth material at, beneath, or adjacent to the landfill unit, because of natural or human-induced events, results in the downslope transport of soil and rock material by means of gravitational influence. Areas of mass movement include landslides, avalanches, debris slides and flows, soil fluction, block sliding, and rock falls.

(5) "Asbestos Waste" means friable asbestos, which is any material containing more than 1% asbestos as determined using the method specified in Appendix A, 40 CFR Part 763.1, 1991 ed., which is adopted and incorporated by reference, that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

(6) "Background concentration" means the concentration of a contaminant in ground water upgradient or a lateral hydraulically equivalent point from a facility, practice, or activity, and which has not been affected by that facility, practice, or activity.

(7) "Class I landfill" means a municipal landfill or a commercial landfill solely under contract with a local government taking municipal waste generated within the boundaries of the local government and receiving, on a yearly average, over 20 tons of solid waste per day.

(8) "Class II landfill" means a municipal landfill or a commercial landfill solely under contract with a local government taking municipal waste generated within the boundaries of the local government and receiving, on a yearly average, 20 tons, or less, of solid waste per day.

(9) "Class III landfill" means a non-commercial landfill that is to receive only industrial solid waste, but excluding farms and ranches.

(10) "Class IV landfill" means a landfill that is to receive only construction/demolition waste, yard waste, inert waste, dead animals, or upon meeting the requirements of Section 26-32a-103.5 and Section R315-320-3, waste tires and materials derived from waste tires.

(11) "Class V landfill" means a commercial landfill which receives any nonhazardous solid waste for disposal. Class V landfill does not include a landfill that is solely under contract with a local government within the state to dispose of nonhazardous solid waste generated within the boundaries of the local government.

(12) "Closed facility" means any facility that no longer receives solid waste and has completed an approved closure plan, and any landfill on which an approved final cover has been installed.

(13) "Commercial solid waste" means all types of solid waste generated by stores, offices, restaurants, warehouses, and other nonmanufacturing activities, excluding household waste and industrial wastes.

(14) "Composite liner" means a liner system consisting of two components: the upper component consisting of a synthetic flexible membrane liner, and the lower component consisting of a layer of compacted soil. The composite liner must have the synthetic flexible membrane liner installed in direct and uniform contact with the compacted soil component and be constructed of specified materials and compaction to meet specified permeabilities.

(15) "Composting" means a method of solid waste management whereby the organic component of the waste stream is biologically decomposed under controlled conditions to a state in which the end product or compost can be safely handled, stored, or applied to the land without adversely affecting human health or the environment.

(16) "Construction/demolition waste" means waste from building materials, packaging, and rubble resulting from construction, remodeling, repair, and demolition operations on pavements, houses, commercial buildings, and other structures. Such waste may include: bricks, concrete, other masonry materials, soil, asphalt, rock, untreated lumber, rebar, and tree stumps. It does not include asbestos, contaminated soils or tanks resulting from remediation or clean-up at any release or spill, waste paints, solvents, sealers, adhesives, or similar hazardous or potentially hazardous materials.

(17) "Contaminant" means any physical, chemical, biological, or radiological substance or matter in water or soil which is a result of human activity.

(18) "Displaced or displacement" means the relative movement of any two sides of a fault measured in any direction.

(19) "Drop box facility" means a facility used for the placement of a large detachable container or drop box for the collection of solid waste for transport to a solid waste disposal facility. The facility includes the area adjacent to the containers for necessary entrance, exit, unloading, and turn-around areas. Drop box facilities normally serve the general public with uncompacted loads and receive waste from off-site. Drop box facilities do not include residential or commercial waste containers on the site of waste generation.

(20) "Energy recovery" means the recovery of energy in a

useable form from incineration, burning, or any other means of using the heat of combustion of solid waste that involves high temperature (above 1200 degrees Fahrenheit) processing.

(21) "Existing facility" means any facility that was receiving solid waste on or before July 15, 1993.

(22) "Expansion of a solid waste disposal facility" means any lateral or vertical expansion beyond or above the boundaries outlined in the initial permit application. Where no boundaries were designated in the disposal facility permit, expansion shall apply to all new land purchased or acquired after the effective date of these rules.

(23) "Facility" means all contiguous land, structures, other appurtenances, and improvements on the land used for treating, storing, or disposing of solid waste. A facility may consist of several treatment, storage, or disposal operational units, e.g., one or more incinerators, landfills, container storage areas, or combinations of them.

(24) "Floodplain" means the land which has been or may be hereafter covered by flood water which has a 1% chance of occurring any given year. The flood is also referred to as the base flood or 100-year flood.

(25) "Free liquids" means liquids which readily separate from the solid portion of a waste under ambient temperature and pressure or as determined by EPA test method 9095 (Paint Filter Liquids Test) as provided in EPA Report SW-846 "Test Methods for Evaluating Solid Waste" third edition, November 1986, as revised December 1987 which is adopted and incorporated by reference.

(26) "Garbage" means discarded animal and vegetable wastes and animal and vegetable wastes resulting from the handling, preparation, cooking and consumption of food, and of such a character and proportion as to be capable of attracting or providing food for vectors. Garbage does not include sewage and sewage sludge.

(27) "Ground water" means subsurface water which is in the zone of saturation including perched ground water.

(28) "Ground water quality standard" means a standard for maximum allowable contamination in ground water as set by Section R315-308-4.

(29) "Hazardous waste" means hazardous waste as defined by Subsection 19-6-102(9) and Section R315-2-3.

(30) "Holocene fault" means a fracture or zone of fractures along which rocks on one side of the fracture have been displaced with respect to those on the other side, which has occurred in the most recent epoch of the Quaternary period extending from the end of the Pleistocene, approximately 11,000 years ago, to the present.

(31) "Household size" means a container for a material or product that is normally and reasonably associated with households or household activities. The containers are of a size and design to hold materials or products generally for immediate use and not for storage, five gallons or less in size.

(32) "Household waste" means any solid waste, including garbage, trash, and sanitary waste in septic tanks, derived from households including single and multiple residences, hotels, motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas.

(33) "Incineration" means a controlled thermal process by which solid wastes are physically or chemically altered to gas, liquid, or solid residues which are also regulated solid wastes. Incineration does not include smelting operations where metals are reprocessed or the refining, processing, or the burning of used oil for energy recovery as described in Rule R315-15.

(34) "Industrial solid waste" means any solid waste generated at a manufacturing or other industrial facility that is not a hazardous waste. Industrial solid waste includes waste resulting from the following manufacturing processes and associated activities: electric power generation; fertilizer or agricultural chemicals; food and related products or by-products; inorganic chemicals; iron and steel manufacturing; leather and leather products; nonferrous metals manufacturing or foundries; organic chemicals; plastics and resins manufacturing; pulp and paper industry; rubber and miscellaneous plastic products; stone, glass, clay, and concrete products; textile manufacturing; transportation equipment; and water treatment. This term does not include mining waste; oil and gas waste; or other waste excluded by Subsection 19-6-102(17)(b).

(35) "Industrial solid waste facility" means a facility which receives only industrial solid waste from on-site or off-site sources for disposal.

(36) "Inert waste" means noncombustible, nonhazardous solid wastes that retain its physical and chemical structure under expected conditions of disposal, including resistance to biological or chemical attack.

(37) "Landfill" means a disposal facility where solid waste is placed in or on the land and which is not a landtreatment facility or surface impoundment.

(38) "Landtreatment, landfarming, or landspreading facility" means a facility or part of a facility where solid waste is applied onto or incorporated into the soil surface for the purpose of biodegradation.

(39) "Lateral expansion of a solid waste disposal facility" means any horizontal expansion of the waste boundaries of an existing landfill cell, module, or unit or expansions not consistent with past normal operating practices.

(40) "Lateral hydraulically equivalent point" means a point located hydraulically equal to a facility and in the same ground water with similar geochemistry such that the ground water, at that point, has not been affected by the facility.

(41) "Leachate" means a liquid that has passed through or emerged from solid waste and may contain soluble, suspended, miscible, or immiscible materials removed from such waste.

(42) "Lithified earth material" means all rock, including all naturally occurring and naturally formed aggregates or masses of minerals or small particles of older rock that formed by crystallization of magma or by induration of loose sediments. This term does not include human-made materials, such as fill, concrete and asphalt, or unconsolidated earth materials, soil, or regolith lying at or near the earth surface.

(43) "Lower explosive limit" means the lowest percentage by volume of a mixture of explosive gases which will propagate a flame in air at 25 degrees Celsius (77 degrees Fahrenheit) and atmospheric pressure.

(44) "Maximum horizontal acceleration in lithified earth material" means the maximum expected horizonal acceleration depicted on a seismic hazard map, with a 90% or greater probability that the acceleration will not be exceeded in 250

years, or the maximum expected horizontal acceleration based on site specific seismic risk assessment.

(45) "Municipal landfill" means a landfill that is not for profit and is either owned and operated by a local government or a government entity such as a city, town, county, service district, or an entity created by interlocal agreement of local governments, or is solely under contract with a local government or government entity. The landfill accepts, for disposal, the nonhazardous solid waste, including municipal solid waste, generated within the jurisdictional boundaries of the local government or government entity.

(46) "Municipal solid waste" means household waste, commercial solid waste, non-hazardous sludge, and exempt small quantity generator waste.

(47) "New facility" means any facility that begins receiving solid waste after July 15, 1993.

(48) "Off-site" means any site which is not on-site.

(49) "On-site" means the same or geographically contiguous property which may be divided by public or private right-of-way, provided that the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing, as opposed to going along the right-of-way. Property separated by a private right-of-way, which the site owner or operator controls, and to which the public does not have access, is also considered on-site property.

(50) "Operator" means the person, as defined by Subsection 19-1-103(4), responsible for the overall operation of a facility.

(51) "Owner" means the person, as defined by Subsection 19-1-103(4), who owns a facility or part of a facility.

(52) "PCB and PCBs" means any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of materials which contain such substances and is regulated under 40 CFR Part 761, 1995 ed.

(53) "Permeability" means the ease with which a porous material allows water and the solutes contained therein to flow through it. This is usually expressed in units of centimeters per second (cm/sec) and termed hydraulic conductivity. Soils and synthetic liners with a permeability for water of 1×10^{-7} cm/sec or less may be considered impermeable.

(54) "Permit" means the plan approval as required by Subsection 19-6-108(3)(a), or equivalent control document issued by the Executive Secretary to implement the requirements of the Utah Solid and Hazardous Waste Act.

(55) "Pile" means any noncontainerized accumulation of solid waste that is used for treatment or storage.

(56) "Poor foundation conditions" means those areas where features exist which indicate that a natural or human-induced event may result in inadequate foundation support for the structural components of a landfill unit.

(57) "Putrescible" means organic material subject to decomposition by microorganisms.

(58) "Qualified ground water scientist" means a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in ground water hydrology and related fields as may be demonstrated by state registration, professional certification, or completion of accredited university programs that enable that individual to make sound professional judgements regarding ground water monitoring, contaminant fate and transport, and corrective action.

(59) "Recycling" means extracting valuable materials from the waste stream and transforming or remanufacturing them into useable materials that have a demonstrated or potential market.

(a) Recycling does not include processes that generate such volumes of material that no market exists for the material.

(b) Any part of the waste stream entering a recycling facility and subsequently returned to a waste stream or disposed has the same regulatory designation as the original waste.

(c) Recycling includes the substitution of nonhazardous solid waste fuels for conventional fuels (such as coal, natural gas, and petroleum products) for the purpose of generating the heat necessary to manufacture a product.

(60) "Recyclable materials" means those solid wastes that can be recovered from or otherwise diverted from the waste stream for the purpose of recycling, such as metals, paper, glass, and plastics.

(61) "Run-off" means any rainwater, leachate, or other liquid that has contacted solid waste and drains over land from any part of a facility.

(62) "Run-on" means any rainwater, leachate, or other liquid that drains over land onto the active area of a facility.

(63) "Scavenging" means the uncontrolled removal of solid waste from a facility.

(64) "Seismic impact zone" means an area with a 10% or greater probability that the maximum horizonal acceleration in lithified earth material, expressed as a percentage of the earth's gravitational pull, will exceed 0.10g in 250 years.

(65) "Septage" means a semisolid consisting of settled sewage solids combined with varying amounts of water and dissolved materials generated from septic tank systems.

(66) "Sharps" means any discarded or contaminated article or instrument from a health facility that may cause puncture or cuts. Such waste may include needles, syringes, blades, needles with attached tubing, pipettes, pasteurs, broken glass, and blood vials.

(67) "Sludge" means any solid, semisolid, or liquid waste, including grit and screenings generated from a:

(a) municipal, commercial, or industrial waste water treatment plant;

(b) water supply treatment plant;

(c) car wash facility;

(d) air pollution control facility; or

(e) any other such waste having similar characteristics.

(68) "Solid waste disposal facility" means a facility or part of a facility at which solid waste is received from on-site or off-site sources and intentionally placed into or on land and at which waste, if allowed by permit, may remain after closure. Solid waste disposal facilities include landfills, incinerators, and land treatment areas.

(69) "Solid waste incinerator facility" means a facility at which solid waste is received from on-site or off-site sources and is subjected to the incineration process. An incinerator facility that incinerates solid waste for any reason, including energy recovery, volume reduction, or to render it non-infectious, is a solid waste incinerator facility and is subject to the Utah Solid Waste Permitting and Management Rules.

(70) "Special waste" means discarded materials which may require special handling or may pose a threat to public safety, human health, or the environment. Special waste may include ash, automobile bodies, furniture and appliances, infectious waste, tires, dead animals, asbestos, industrial waste, wastes exempt from the hazardous waste classifications under the Federal Resource Conservation and Recovery Act, U.S.C., Section 6901, et seq., and sludge.

(71) "Structural components" means liners, leachate collection systems, final covers, run-on or run-off systems, and any other component used in the construction and operation of a landfill that is necessary for the protection of human health and the environment.

(72) "Surface impoundment or impoundment" means a facility or part of a facility which is a natural topographic depression, human-made excavation, or diked area formed primarily of earthen materials, although it may be lined with synthetic materials, which is designed to hold an accumulation of liquid waste or waste containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds, and lagoons.

(73) "Transfer station" means a permanent, fixed, supplemental collection and transportation facility used by persons and route collection vehicles to deposit collected solid waste from off-site into a larger transfer vehicle for transport to a solid waste handling or disposal facility.

(74) "Transport vehicle" means a vehicle capable of hauling large amounts of solid waste such as a truck, packer, or trailer that may be used by refuse haulers to transport solid waste from the point of generation to a transfer station or a disposal facility.

(75) "Twenty-five year storm" means a 24-hour storm of such intensity that it has a 4% probability of being equalled or exceeded any given year. The storm could result in what is referred to as a 25-year flood.

(76) "Unit boundary" means a vertical surface located at the hydraulically downgradient limit of a landfill unit or other solid waste disposal facility unit which is required to monitor ground water. This vertical surface extends down into the ground water.

(77) "Unstable area" means a location that is susceptible to natural or human induced events or forces capable of impairing the integrity of some or all of the landfill structural components responsible for preventing releases from a facility. Unstable areas can include poor foundation conditions, areas susceptible to mass movements, and karst terrains.

(78) "Vadose zone" means the zone of aeration including soil and capillary water. The zone is bound above by the land surface and below by the water table.

(79) "Vector" means a living animal including insect or other arthropod which is capable of transmitting an infectious disease from one organism to another.

(80) "Washout" means the carrying away of solid waste by waters of a base or 100-year flood.

(81) "Wetlands" means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

(82) "Yard waste" means vegetative matter resulting from landscaping, land maintenance, and land clearing operations including grass clippings, prunings, and other discarded material generated from yards, gardens, parks, and similar types of facilities. Yard waste does not include garbage, paper, plastic, sludge, septage, or manure.

R315-301-3. Owner Responsibilities for Solid Waste.

The owner, operator or occupant of any premises or business establishment shall be responsible for the management and disposal of all solid waste generated or accumulated by the owner, operator, or occupant of the property in compliance with the Utah Solid Waste Permitting and Management Rules and the Utah Solid and Hazardous Waste Act.

R315-301-4. Prohibition of Illegal Disposal or Incineration of Solid Waste.

(1) No person shall incinerate, burn, or otherwise dispose of any solid waste in any place except at a facility which is in compliance with the requirements of Rules R315-301 through 320 and other applicable rules. This requirement does not include the deposition of inert waste used as fill material, mine tailings and overburden, agricultural waste, or the recycling of asphalt as specified in Subsection R315-301-4(2) if the deposition or disposal does not cause a public nuisance or hazard or contribute to land, air, or water pollution.

(2) Recycling of asphalt occurs when it is used:

(a) as a feedstock in the manufacture of new hot or cold mix asphalt;

(b) as underlayment in road construction;

(c) as subgrade in road construction when the asphalt is above the historical high level of ground water;

(d) under parking lots when the asphalt is above the historical high level of ground water; or

(e) as road shoulder when the use meets engineering requirements.

R315-301-5. Permit Required.

(1) No solid waste disposal facility shall be maintained, established, or expanded until the owner or operator of such facility has obtained a permit from the Executive Secretary.

(2) The owner or operator of a solid waste disposal facility shall operate the facility in accordance with the conditions of the permit and otherwise follow the permit.

(3) In areas where no public or duly licensed disposal service is available, the on-site disposal of on-site generated nonhazardous solid waste from a single family farm or a single family ranch does not require a permit.

R315-301-6. Protection of Human Health and the Environment.

(1) The management of solid waste shall not present a threat to human health or the environment.

(2) Any contamination of the ground water, surface water, air, or soil that results from the management of solid waste which presents a threat to human health or the environment shall be remediated through appropriate corrective action.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-302. Solid Waste Facility Location Standards, General Facility Requirements, and Closure Requirements.
R315-302-1. Location Standards for Disposal Facilities.

(1) Applicability.

(a) These standards apply to:

(i) Class I, II, and V Landfills;

(ii) Class III Landfills as specified in Rule R315-304;

(iii) Class IV Landfills as specified in Rule R315-305; and

(iv) each new disposal facility and any existing disposal facility seeking facility expansion, including landfills, landtreatment disposal sites, and piles that are to be closed as landfills.

(b) These standards, unless otherwise noted, do not apply to:

(i) an existing facility;

(ii) transfer stations and drop box facilities;

(iii) piles used for storage;

(iv) composting or utilization of sludge or other solid waste on land; or

(v) hazardous waste disposal sites regulated by Rules R315-1 through R315-50 and Rule R315-101.

(2) Location Standards. Each applicable solid waste facility shall be subject to the following location standards.

(a) Land Use Compatibility. No facility shall be located within:

(i) one thousand feet of a national, state or county park, monument, or recreation area; designated wilderness or wilderness study area; or wild and scenic river area;

(ii) ecologically and scientifically significant natural areas, including wildlife management areas and habitat for threatened or endangered species as designated pursuant to the Endangered Species Act of 1982;

(iii) farmland classified or evaluated as "prime," "unique," or of "statewide importance" by the U.S. Department of Agriculture Soil Conservation Service under the Prime Farmland Protection Act;

(iv) one-fourth mile of:

(A) existing permanent dwellings, residential areas, and other incompatible structures such as schools or churches unless otherwise allowed by local zoning or ordinance; and

(B) historic structures or properties listed or eligible to be listed in the State or National Register of Historic Places;

(v) ten thousand feet of any airport runway end used by turbojet aircraft or within 5,000 feet of any airport runway end used by only piston-type aircraft unless the owner or operator demonstrates that the facility design and operation will not increase the likelihood of bird/aircraft collisions. Every new and existing disposal facility is subject to this requirement. If a new landfill or a lateral expansion of an existing landfill is located within five miles of an airport runway end, the owner or operator must notify the affected airport and the Federal Aviation Administration; or

(vi) areas with respect to archeological sites that would violate Section 9-8-404.

(b) Geology. No new facility or lateral expansion of an existing facility shall be located in a subsidence area, a dam failure flood area, above an underground mine, above a salt dome, above a salt bed, or on or adjacent to geologic features which could compromise the structural integrity of the facility.

(i) Holocene Fault Areas. A new facility or a lateral expansions of an existing facility shall not be located within 200 feet of a Holocene fault unless the owner or operator demonstrates to the Executive Secretary that an alternative setback distance of less than 200 feet will prevent damage to the structural integrity of the unit and will be protective of human health and the environment.

(ii) Seismic Impact Zones. A new facility or a lateral expansion of an existing facility shall not be located in seismic impact zones unless the owner or operator demonstrates to the satisfaction of the Executive Secretary that all containment structures, including liners, leachate collection systems, and surface water control systems, are designed to resist the maximum horizontal acceleration in lithified earth material for the site.

(iii) Unstable Areas. The owner or operator of an existing facility, a lateral expansion of an existing facility, or a new facility located in an unstable area must demonstrate to the satisfaction of the Executive Secretary that engineering measures have been incorporated into the facility design to ensure that the integrity of the structural components of the facility will not be disrupted. The owner or operator must consider the following factors when determining whether an area is unstable:

(A) on-site or local soil conditions that may result in significant differential settling;

(B) on-site or local geologic or geomorphologic features; and

(C) on-site or local human-made features or events, both surface and subsurface.

(c) Surface Water.

(i) No new facility or lateral expansion of an existing facility shall be located on any public land that is being used by a public water system for water shed control for municipal drinking water purposes, or in a location that could cause contamination to a lake, reservoir, or pond.

(ii) Floodplains. No new or existing facility shall be located in a floodplain unless the owner or operator demonstrates to the Executive Secretary that the unit will not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain, or result in a washout of solid waste so as to pose a hazard to human health or the environment.

(d) Wetlands. No new facility or lateral expansion of an existing facility shall be located in wetlands unless the owner or operator demonstrates to the Executive Secretary that:

(i) where applicable under section 404 of the Clean Water Act or applicable State wetlands laws, the presumption that a practicable alternative to the proposed landfill is available which does not involve wetlands is clearly rebutted;

(ii) the unit will not violate any applicable state water quality standard or section 307 of the Clean Water Act;

(iii) the unit will not jeopardize the continued existence of any endangered or threatened species or result in the destruction or adverse modification of a critical habitat protected under the Endangered Species Act of 1973;

(iv) the unit will not cause or contribute to significant degradation of wetlands. The owner or operator must

demonstrate the integrity of the unit and its ability to protect ecological resources by addressing the following factors:

(A) erosion, stability, and migration potential of native wetland soils, muds, and deposits used to support the unit;

(B) erosion, stability, and migration potential of dredged and fill materials used to support the unit;

(C) the volume and chemical nature of the waste managed in the unit;

(D) impacts on fish, wildlife, and other aquatic resources and their habitat from release of the solid waste;

(E) the potential effects of catastrophic release of waste to the wetland and the resulting impacts on the environment; and

(F) any additional factors, as necessary, to demonstrate that ecological resources in the wetland are sufficiently protected;

(v) to the extent required under section 404 of the Clean Water Act or applicable state wetlands laws, steps have been taken to attempt to achieve no net loss of wetlands, as defined by acreage and function, by first avoiding impacts to wetlands to the maximum extent practicable as required by Subsection R315-302-1(2)(d)(i), then minimizing unavoidable impacts to the maximum extent practicable, and finally offsetting remaining unavoidable wetland impacts through all appropriate and practicable compensatory mitigation actions (e.g., restoration of existing degraded wetlands or creation of man-made wetlands); and

(vi) sufficient information is available to make a reasonable determination with respect to these demonstrations.

(e) Ground Water.

(i) No new facility or lateral expansion of an existing facility shall be located at a site:

(A) where the bottom of the lowest liner is less than five feet above the historical high level of ground water; or

(B) for a landfill that is not required to install a liner, the lowest level of waste must be at least ten feet above the historical high level of ground water.

(C) If the aquifer beneath a landfill contains ground water which has a Total Dissolved Solids (TDS) of 10,000 mg/l or greater and the landfill is constructed with a composite liner, the bottom of the lowest liner may be less than five feet above the historical high level of the ground water.

(ii) No new facility shall be located over a sole source aquifer as designated in 40 CFR 149.

(iii) No new facility shall be located over groundwater classed as IB under Section R317-6-3.3.

(iv) Unless all units of the proposed facility are constructed with a composite liner or other equivalent design approved by the Executive Secretary:

(A) a new facility located above any aquifer containing ground water which has a TDS content below 1,000 mg/l which does not exceed applicable ground water quality standards for any contaminant is permitted only where the depth to ground water is greater than 100 feet; or

(B) a new facility located above any aquifer containing ground water which has a TDS content between 1,000 and 3,000 mg/l and does not exceed applicable ground water quality standards for any contaminant is permitted only where the depth to ground water is 50 feet or greater.

(C) The applicant for the proposed facility will make the demonstration of ground water quality necessary to determine the appropriate aquifer classification.

(v) No new facility shall be located in designated drinking water source protection areas or, if no source protection area is designated, within a distance to existing drinking water wells or springs for public water supplies of 250 days ground water travel time. This requirement does not include on-site operation wells. The applicant for the proposed facility will make the demonstration, acceptable to the Executive Secretary, of hydraulic conductivity and other information necessary to determine the 250 days ground water travel distance.

(vi) Ground Water Exception. Subject to the ground water performance standard stated in Subsection R315-303-3(1), if a solid waste disposal facility is to be located over an area where the ground water has a TDS of 10,000 mg/l or greater, or where there is an extreme depth to ground water, or where there is a natural impermeable barrier above the ground water, or where there is no ground water, the Executive Secretary may exempt the disposal site, on a site specific basis, from some design criteria and ground water monitoring. Exemption of ground water monitoring may require the owner or operator to make the demonstration stated in Subsection R315-308-1(3).

(3) Exemptions. Exemptions from the location standards with respect to airports, floodplains, wetlands, fault areas, seismic impact zones, and unstable areas cannot be granted. Exemptions from other location standards of this section may be granted by the Executive Secretary on a site specific basis if it is determined that the exemption will cause no adverse impacts to public health or the environment.

(a) No exemption may be granted without application to the Executive Secretary.

(b) If an exemption is granted, a facility may be required to have more stringent design, construction, monitoring program, or operational practice to protect human health or the environment.

(c) All applications for exemptions shall meet the conditions of Section R315-311-3 pertaining to public notice and comment period.

R315-302-2. General Facility Requirements.

(1) Applicability.

(a) Each new landfill, expansion of an existing landfill, energy recovery or incinerator facility, landtreatment disposal site, transfer station, and existing facility applying for a permit or permit renewal shall meet the requirements of this section.

(b) Any facility which stores waste in piles shall meet the applicable requirements of this section.

(c) Any recycling facility or composting facility subject to the standards of Rule R315-312 shall submit a plan that demonstrates compliance with the applicable standards of Section R315-302-2. This plan does not require Executive Secretary approval.

(d) The requirements of Section R315-302-2 apply to industrial solid waste facilities as specified in Rule R315-304.

(2) Plan of Operation. Each owner or operator shall develop, keep on file, and abide by a plan of operation approved by the Executive Secretary. The plan shall describe the facility's operation and shall convey to site operating personnel the concept of operation intended by the designer. The plan of

operation shall be available for inspection at the request of the Executive Secretary or his authorized representative. The facility must be operated in accordance with the plan or the plan must be so modified with the approval of the Executive Secretary, to allow the facility to operate in accordance with an approved plan. Each plan of operation shall include:

(a) an intended schedule of construction. Facility plan approvals will be reviewed by the Executive Secretary no later than 18 months after the permit is issued and periodically thereafter, to determine if the schedule of construction is reasonably being followed. Failure to comply with the schedule of construction may result in revocation of the plan approval;

(b) a description of on-site solid waste handling procedures during the active life of the facility;

(c) a schedule for conducting inspections and monitoring for the facility;

(d) contingency plans in the event of a fire or explosion;

(e) corrective action programs to be initiated if ground water is contaminated;

(f) contingency plans for other releases, e.g. release of explosive gases or failure of run-off containment system;

(g) a plan to control fugitive dust generated from roads, construction, general operations, and covering the waste;

(h) a description of maintenance of installed equipment including leachate and gas collection systems, and ground water monitoring systems;

(i) procedures for excluding the receipt of regulated hazardous waste or regulated waste containing PCBs;

(j) procedures for controlling disease vectors;

(k) a plan for an alternative waste handling or disposal system during periods when the solid waste facility is not able to dispose of solid waste, including procedures to be followed in case of equipment breakdown;

(l) closure and post-closure care plans;

(m) cost estimates and financial assurance as required by Subsection R315-309-2(3);

(n) a general training and safety plan for site operators; and

(o) other information pertaining to the plan of operation as required by the Executive Secretary.

(3) Recordkeeping. Each owner or operator shall maintain and keep, on-site or at a location approved by the Executive Secretary, the following permanent records:

(a) an operating record that shall contain:

(i) the weights or volumes, number of vehicles entering, and if available, the types of wastes received each day;

(ii) deviations from the approved plan of operation;

(iii) training and notification procedures;

(iv) results of ground water and gas monitoring that may be required; and

(v) an inspection log or summary; and

(b) other records to include:

(i) documentation of any demonstration made with respect to any location standard or exemption;

(ii) any design documentation for the placement or recirculation of leachate or gas condensate into the landfill as allowed by Subsection R315-303-3(2)(b);

(iii) closure and post-closure care plans as required by Subsections R315-302-3(4) and (7);

(iv) cost estimates and financial assurance documentation as required by Subsection R315-309-2(3);

(v) any information demonstrating compliance with Class II Landfill requirements if applicable; and

(vi) other information pertaining to operation, maintenance, monitoring, or inspections as may be required by the Executive Secretary.

(4) Reporting. Each owner or operator of any facility, including a facility performing post-closure care, shall prepare an annual report and place the report in the facility's operating record. The owner or operator of the facility shall submit a copy of the annual report to the Executive Secretary by March 1 of each year for the most recent calendar year or fiscal year of facility operation. The annual report shall cover facility activities during the previous year and must include, at a minimum, the following information:

(a) name and address of the facility;

(b) calendar year covered by the report;

(c) annual quantity, in tons or volume, in cubic yards, and estimated in-place density in pounds per cubic yard of solid waste handled for each type of treatment, storage, or disposal facility, including applicable recycling facilities;

(d) the annual update of the required financial assurances mechanism pursuant to Subsection R315-309-2(2);

(e) results of ground water monitoring and gas monitoring; and

(f) training programs or procedures completed.

(5) Inspections.

(a) The owner or operator shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges which may cause or lead to the release of wastes to the environment or to a threat to human health. The owner or operator must conduct these inspections with sufficient frequency, no less than quarterly, to identify problems in time to correct them before they harm human health or the environment. The owner or operator shall keep an inspection log or summary including at least the date and time of inspection, the printed name and handwritten signature of the inspector, a notation of observations made, and the date and nature of any repairs or corrective action. The log or summary must be kept at the facility or other convenient location if permanent office facilities are not on-site, for at least three years from the date of inspection. Inspection records shall be available to the Executive Secretary or his authorized representative upon request.

(b) The Executive Secretary or any duly authorized officer, employee, or representative of the Board may, at any reasonable time and upon presentation of appropriate credentials, enter any solid waste facility and inspect the property, records, monitoring systems, activities and practices, or solid waste being handled for the purpose of ascertaining compliance with this rule and the approved plan of operation for the facility.

(i) The inspector may conduct monitoring or testing, or collect samples for testing, to verify the accuracy of information submitted by the owner or operator or to ensure that the owner or operator is in compliance. The owner or operator may request split samples and analysis parameters on any samples collected by the inspector.

(ii) The inspector may use photographic equipment, video camera, electronic recording device, or any other reasonable

means to record information during any inspection.

(iii) The results of any inspection shall be furnished promptly to the owner or operator of the facility.

(6) Recording with the County Recorder.

(a) Not later than 60 days after certification of closure, the owner or operator of a solid waste disposal facility shall:

(i) submit plats and a statement of fact concerning the location of any disposal site to the county recorder to be recorded as part of the record of title; and

(ii) submit proof of record of title filing to the Executive Secretary.

(b) Records and plans specifying solid waste amounts, location, and periods of operation may be required by the local zoning authority with jurisdiction over land use and be made available for public inspection.

R315-302-3. General Closure and Post Closure Requirements.

(1) Applicability.

(a) An existing facility, a new facility, or an existing facility seeking lateral expansion shall meet the applicable standards of Section R315-302-3 and shall provide financial assurance for closure and post-closure care costs that meets the requirements of Rule R315-309.

(b) The requirements of Subsections (2), (3), and (4) of this section apply to any solid waste management facility as defined by Subsection 19-6-502(9). The requirements of Subsections (5), (6), and (7) of this section apply to:

(i) Class I, II, IV and V Landfills;

(ii) Class III Landfills as specified in Rule R315-304: and

(iii) any landtreatment disposal facility.

(2) Closure Performance Standard. Each owner or operator shall close its facility or unit in a manner that:

(a) minimizes the need for further maintenance;

(b) minimizes or eliminates threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated run-off or waste decomposition products to the ground, ground water, surface water, or the atmosphere; and

(c) prepares the facility or unit for the post-closure period.

(3) Closure Plan and Amendment.

(a) Closure may include covering, grading, seeding, landscaping, contouring, and screening. For a transfer station or a drop box facility, closure includes waste removal and decontamination of the site, including soil analysis, ground water analysis, or other procedures as required by the Executive Secretary.

(b) Each owner or operator shall develop, keep on file and abide by a plan of closure required by Subsection R315-302-2(2)(l) which, when approved by the Executive Secretary, will become part of the permit.

(c) The closure plan shall project time intervals at which sequential partial closure, if applicable, is to be implemented and identify closure cost estimates and projected fund withdrawal intervals for the associated closure costs from the approved financial assurance instrument required by Rule R315-309.

(d) The closure plan may be amended if conditions and circumstances justify such amendment. If it is determined that amendment of a facility closure plan is required, the Executive Secretary may direct facility closure activities, in part or whole, to cease until the closure plan amendment has been reviewed and approved by the Executive Secretary.

(e) Each owner and operator shall close the facility or unit in accordance with the approved closure plan and all approved amendments.

(4) Closure Procedures.

(a) Each owner and operator shall notify the Executive Secretary of the intent to implement the closure plan in whole or part, 60 days prior to the projected final receipt of waste at the unit or facility unless otherwise specified in the approved closure plan.

(b) The owner or operator shall commence implementation of the closure plan, in part or whole, within 30 days after receipt of the final volume of waste, or for landfills, when the final elevation is attained in part or all of the facility cell or unit as identified in the approved facility closure plan unless otherwise specified in the approved closure plan. Closure activities shall be completed within 180 days from their starting time. Extensions of the closure period may be granted by the Executive Secretary if justification for the extension is documented by the owner or operator.

(c) When facility closure is completed, each owner and operator shall, within 90 days or as required by the Executive Secretary, submit to the Executive Secretary:

(i) facility or unit closure plan sheets, except for Class IIIb and IVb Landfills, signed by a professional engineer registered in the state of Utah, and modified as necessary to represent as-built changes to final closure construction as approved in the closure plan; and

(ii) certification by the owner or operator, and, except for Class IIIb and IVb Landfills, a professional engineer registered in the state of Utah, that the site or unit has been closed in accordance with the approved closure plan.

(5) Post-Closure Performance Standard. Each owner or operator shall provide post-closure activities for continued facility maintenance and monitoring of gases, land, and water for 30 years or as long as the Executive Secretary determines is necessary for the facility or unit to become stabilized and to protect human health and the environment.

(6) Post-Closure Plan and Amendment.

(a) For any disposal facility, except an energy recovery or incinerator facility, post-closure care may include:

(i) ground water and surface water monitoring;

(ii) leachate collection and treatment;

(iii) gas monitoring;

(iv) maintenance of the facility, the facility structures that remain after closure, and monitoring systems for their intended use as required by the approved permit;

(v) a description of the planned use of the property; and

(vi) any other activity required by the Executive Secretary to protect human health and the environment for a period of 30 years or a period established by the Executive Secretary.

(b) Each owner or operator shall develop, keep on file, and abide by a post-closure plan as required by Subsection R315-302-2(2)(l) and as approved by the Executive Secretary as part of the permit. The post-closure plan shall address facility or unit maintenance and monitoring activities until the site

becomes stabilized (i.e., little or no settlement, gas production or leachate generation) and monitoring and maintenance activities can be safely discontinued.

(c) The post-closure plan shall project time intervals at which post-closure activities are to be implemented and identify post-closure cost estimates and projected fund withdrawal intervals from the selected financial assurance instrument, where applicable, for the associated post-closure costs.

(d) The post-closure plan may be amended if conditions and circumstances justify such amendment. If it is determined that amendment of a facility or unit post-closure plan is required, the Executive Secretary may direct facility post-closure activities, in part or whole, to cease until the post-closure plan amendment has been reviewed and approved.

(7) Post-Closure Procedures.

(a) Each owner or operator shall commence post-closure activities after closure activities have been completed. The Executive Secretary may direct that post-closure activities cease until the owner or operator receives a notice from the Executive Secretary to proceed with post-closure activities.

(b) When post-closure activities are complete, as determined by the Executive Secretary, the owner or operator shall submit a certification to the Executive Secretary, signed by the owner or operator, and, except for Class IV Landfills, a professional engineer registered in the state of Utah stating why post-closure activities are no longer necessary (i.e., little or no settlement, gas production, or leachate generation).

(c) If the Executive Secretary finds that post-closure monitoring has established that the facility or unit is stabilized (i.e., little or no settlement, gas production, or leachate generation) the Executive Secretary may authorize the owner or operator to discontinue any portion or all of the post-closure maintenance and monitoring activities.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-303. Landfilling Standards.
R315-303-1. Applicability.

(1) These standards apply to:

(a) Class I, II, and V Landfills;

(b) Class III Landfills as specified in Rule R315-304; and

(c) Class IV Landfills as specified in Rule R315-305.

(2) An owner or operator of an existing landfill unit shall not be required to install liners or leachate collection systems in that unit.

R315-303-2. Standards for Performance.

(1) Ground Water. An owner or operator of a disposal facility shall not contaminate the ground water underlying the facility beyond the ground water quality standard set in Section R315-308-4 or, for constituents not set in Section R315-308-4, as established by the Executive Secretary based on health risk standards.

(2) Air Quality and Explosive Gas Emissions.

(a) An owner or operator of a disposal facility shall not allow concentrations of explosive gases generated by the facility to exceed:

(i) twenty-five percent of the lower explosive limit for explosive gases in facility structures, excluding gas control or recovery system components; and

(ii) the lower explosive limit for explosive gases at the property boundary or beyond.

(b) An owner or operator of a disposal facility shall not cause a violation of any ambient air quality standard at the property boundary or emission standard from any emission of landfill gases, combustion or any other emission associated with the facility.

(3) Surface Waters. An owner or operator of a disposal facility:

(a) shall not cause a violation of any Utah Pollution Discharge Elimination System permit or standard from discharges of surface run-off, leachate or any liquid associated with the facility; and

(b) shall be in compliance under the Clean Water Act for any discharge as well as in compliance with any area-wide or state-wide plan under Section 208 or 319 of the Clean Water Act.

R315-303-3. Standards for Design.

(1) Minimizing Liquids. An owner or operator of a landfill shall minimize liquids admitted to active areas by:

(a) covering according to Subsection R315-303-4(4);

(b) prohibiting the disposal of containerized liquids larger than household size, noncontainerized liquids, sludge containing free liquids, or any waste containing free liquids in containers larger than household size;

(c) designing the landfill to prevent run-on of all surface waters resulting from a maximum flow of a 25-year storm into the active area of the landfill; and

(d) designing the landfill to collect and treat the run-off of surface waters and other liquids resulting from a 25-year storm from the active area of the landfill.

(e) If the owner or operator of a landfill has received a storm water permit as issued by the Utah Division of Water Quality and is meeting the requirements of the permit, the landfill may be exempt, upon approval of the Executive Secretary, from the run-on and run-off control requirements of Subsections R315-303-3(1)(c) and (d).

(2) Leachate Collection Systems.

(a) An owner or operator of a landfill required to install liners shall:

(i) install a leachate collection system sized according to water balance calculations or using other accepted engineering methods either of which shall be approved by the Executive Secretary;

(ii) install a leachate collection system so as to prevent no more than one foot depth of leachate developing at any point in the bottom of the landfill unit; and

(iii) install a leachate treatment system or a pretreatment system, if necessary, in the case of discharge to a municipal water treatment plant.

(b) The returning of leachate to the landfill or the recirculation of leachate in the landfill may be done only in landfills that have a composite liner system or an approved equivalent liner system.

(3) Liner Designs. An owner or operator of a new landfill or a landfill seeking lateral expansion shall use liners of one of the following designs:

(a) Standard Design. The design shall have a composite liner system consisting of two liners and the associated liner protection layers and a drainage system for leachate collection:

(i) an upper liner made of synthetic material with a thickness of a least 60 mils; and

(ii) a lower liner of at least two feet thickness of recompacted clay or other soil material with a permeability of no more than 1×10^{-7} cm/sec having the bottom liner sloped no less than 2% and the side liners sloped no more than 33%, except where construction and operational integrity can be demonstrated at steeper slopes, with the synthetic liner installed in direct and uniform contact with the compacted soil component; or

(b) Alternative Design.

(i) The Executive Secretary may approve an alternative liner design, on a site specific basis, if it can be documented that, under the conditions of location and hydrogeology, the performance standard of Subsection R315-303-2(1) can be met. When approving an alternative liner design, the Executive Secretary shall consider the following factors:

(A) the hydrogeologic characteristics of the facility and surrounding land;

(B) the climatic factors of the area; and

(C) the volume and physical and chemical characteristics of the leachate.

(ii) The liner shall be constructed of at least a three feet thick layer of recompacted clay or other material with a permeability of no greater than 1×10^{-7} cm/sec having the bottom liner sloped no less than 2% and the side liners sloped no more than 33%, except where construction and operational integrity can be demonstrated at steeper slopes; or

(c) Equivalent Design.

(i) The owner or operator may use, as approved by the Executive Secretary, alternative design, operating practices, and location characteristics which will minimize the migration of

solid waste constituents or leachate into the ground or surface water which are at least as effective as the liners of Subsections R315-303-3(3)(a) or (b).

(ii) The owner or operator must demonstrate that the standard of Subsection R315-303-2(1) can be met. The demonstration must be approved by the Executive Secretary, and must be based upon:

(A) the hydrogeologic characteristics of the facility and the surrounding land;

(B) the climatic factors of the area;

(C) the volume and physical and chemical characteristics of the leachate;

(D) predictions of contaminate fate and transport in the subsurface that maximize contaminant migration and consider impacts on human health and the environment; or

(d) Stringent Design. When conditions of location, hydrogeology, or waste stream justify, the Executive Secretary may require that the liner of a landfill be constructed to meet standards more stringent than the liner designs of Subsection R315-303-3(3)(a).

(e) Small Landfill Design. Subject to the location standards of Section R315-302-1 and the performance standards of Section R315-303-2, a Class II Landfill may be exempt from the liner, leachate collection system, and ground water monitoring requirements of Rule R315-303.

(i) A Class II Landfill will be approved only if:

(A) there is no evidence of existing ground water contamination; and

(B) the landfill serves a community that has no practicable waste management alternative as determined by the Executive Secretary; and

(C) the landfill is located in an area which receives less than 25 inches of annual precipitation.

(ii) A Class II Landfill may lose the exemption of the small landfill design if at anytime the landfill receives more than 20 tons of solid waste per day, based on an annual average, or has caused ground water contamination.

(f) Design of a Landfill that Accepts No Municipal Waste. Subject to the performance standards of Section R315-303-2:

(i) a landfill that accepts no municipal waste, no conditionally exempt small quantity generator hazardous waste as defined by Section R315-2-5, or no other hazardous waste that is exempt from Section R315-2-4, may be exempt from the liner, leachate collection system, ground water monitoring, and closure requirements of Rule R315-303; or

(ii) a landfill that accepts no municipal waste but accepts conditionally exempt small quantity generator hazardous waste or other exempt hazardous waste, may be exempt from the liner and the leachate collection system requirements of Rule R315-303.

(4) Closure. An owner or operator shall design the landfill so, that at closure, the final cover shall be:

(a) a layer to minimize infiltration, consisting of at least 18 inches of compacted soil, or equivalent with a permeability of 1 x 10^{-5} cm/sec or less, or equivalent, shall be placed upon the final lifts:

(i) synthetic liners may cover the compacted soil layer, provided that a minimum of either 20 mils reinforced or 40 mils non-reinforced thickness is used;

(ii) in no case shall the cover of the final lifts be more permeable than the bottom liner system or natural subsoils present in the unit; and

(iii) the grade of surface slopes shall not be less than 2%, nor the grade of side slopes more than 33%, except where construction integrity and the integrity of erosion control can be demonstrated at steeper slopes; and

(b) a layer to minimize erosion, consisting of:

(i) at least 6 inches of soil capable of sustaining vegetative growth placed over the compacted soil cover or the artificial liner and seeded with grass, other shallow rooted vegetation or other native vegetation; or

(ii) other suitable material, approved by the Executive Secretary.

(c) The Executive Secretary may approve an alternative final cover design, on a site specific basis, if it can be documented that:

(i) the infiltration layer achieves an equivalent reduction in infiltration as the infiltration layer specified in Subsection R315-303-3(4)(a): and

(ii) the erosion layer provides equivalent protection from wind and water erosion as the erosion layer specified in Subsection R315-303-3(4)(b).

(5) Gas Control.

(a) An owner or operator shall design each landfill so that explosive gases are monitored quarterly.

(b) If the concentration of these gases ever exceed the standard set in Subsection R315-303-2(2)(a), the owner or operator must:

(i) immediately take all necessary steps to ensure protection of human health and, within 24 hours or the next business day, notify the Executive Secretary;

(ii) within seven days of detection, place in the operating record the explosive gas levels detected and a description of the steps taken to protect human health; and

(iii) within 60 days of detection, implement a remediation plan, that has been approved by the Executive Secretary, for the explosive gas release, place a copy of the plan in the operating record, and notify the Executive Secretary that the plan has been implemented.

(c) Collection and handling of explosive gases shall not be required if it can be shown that the explosive gases will not support combustion.

(d) The Executive Secretary may, on a site specific basis, waive the requirement of monitoring explosive gases at a Class II Landfill. The wavier may be granted after:

(i) considering the characteristics of the landfill and the waste stream accepted;

(ii) taking into account climatic and hydrogeologic conditions of the site; and

(iii) completing a public comment period as specified by Section R315-311-3.

(iv) The Executive Secretary may revoke any waiver from the requirement of monitoring explosive gases if the lack of monitoring explosive gases at the landfill presents a threat to human health or the environment.

(v) The requirement to monitor explosive gases inside buildings at a landfill may not be waived.

(e) A landfill that accepts no municipal waste is exempt

from monitoring explosive gases.

(6) Other Requirements. An owner or operator shall design each landfill to provide for:

(a) fencing at the property or unit boundary or the use of other artificial or natural barriers to impede entry by the public and large animals. A lockable gate shall be required at the entry to the landfill;

(b) monitoring ground water according to Rule R315-308 using a design approved by the Executive Secretary. The Executive Secretary may also require monitoring of:

(i) surface waters, including run-off;

(ii) leachate; and

(iii) subsurface landfill gas movement and ambient air;

(c) weighing or estimating the tonnage of all incoming waste and recording the tonnage in the facility's operation record;

(d) erecting a sign at the facility entrance that identifies at least the name of the facility, the hours during which the facility is open for public use, unacceptable materials, and an emergency telephone number. Other pertinent information may also be included;

(e) adequate fire protection to control any fires that may occur at the facility. This may be accomplished by on-site equipment or by arrangement made with the nearest fire department;

(f) preventing potential harborage in buildings, facilities, and active areas of rat and other vectors, such as insects, birds, and burrowing animals;

(g) minimizing the size of the unloading area and working face as much as possible, consistent with good traffic patterns and safe operation;

(h) approach and exit roads of all-weather construction, with traffic separation and traffic control on-site and at the site entrance; and

(i) communication, such as telephone or radio, between employees working at the landfill and management offices on-site and off-site to handle emergencies.

R315-303-4. Standards for Maintenance and Operation.

(1) Plan of Operation. An owner or operator of a landfill shall maintain and operate the facility to conform to the approved plan of operation.

(2) Operating Details. An owner or operator of a landfill shall operate the facility to:

(a) control fugitive dust generated from roads, construction, general operations, and covering the waste;

(b) allow no open burning;

(c) collect scattered litter as necessary to avoid a fire hazard or an aesthetic nuisance;

(d) prohibit scavenging;

(e) conduct on-site reclamation in an orderly sanitary manner and in a way that does not interfere with the disposal site operation;

(f) ensure that landfill personnel, trained in landfill operations, are on-site when the site is open to the public;

(i) at least one person on-site for landfills that receive, on an average annual basis, less than 15,000 tons per year; and

(ii) at least two persons on-site, with one person at the active face, for each landfill that receives, on an average annual basis, more than 15,000 tons per year.

(g) control insects, rodents, and other vectors; and

(h) ensure that reserve operational equipment will be available to maintain and meet these standards.

(3) Boundary Posts. An owner or operator of a landfill shall clearly mark the active area boundaries authorized in the permit with permanent posts or using an equivalent method clearly visible for inspection purposes.

(4) Daily Cover.

(a) An owner or operator of a landfill shall, at the close of each day of operation, completely cover the waste with at least six inches of soil or other suitable material approved by the Executive Secretary that will control vectors, fires, odor, blowing litter, and scavenging without presenting a threat to human health or the environment.

(b) The Executive Secretary may, on a site specific basis, waive the requirement for daily cover of the waste at a landfill, including a Class III Landfill, that accepts no municipal waste if the owner or operator demonstrates that an alternative schedule for covering the waste does not present a threat to human health or the environment. The demonstration from the owner or operator of the landfill must include at least the following:

(i) certification that the landfill accepts no municipal waste;

(ii) a detailed list of the waste types accepted by the landfill;

(iii) the alternative schedule on which the waste will be covered; and

(iv) any other operational practices that may reduce the threat to human health or the environment if an alternative schedule for covering the waste is followed.

(v) In granting any wavier from the daily cover requirement, the Executive Secretary may place conditions on the owner or operator of the landfill as to the frequency of covering, depth of the cover, or type of material used as cover that will minimize the threat to human health or the environment.

(vi) The Executive Secretary may revoke any waiver from the daily cover requirement if any condition is not met or if the alternative schedule for covering the waste presents a threat to human health or the environment.

(5) Monitoring Systems. An owner or operator of a landfill shall maintain the monitoring systems required in Subsection R315-303-3(6)(b).

(6) Recycling Required.

(a) An owner or operator of a landfill at which the general public delivers household solid waste shall provide containers in which the general public may place recyclable materials for which a market exists that are brought to the site:

(i) during the normal hours of operation; and

(ii) at a location convenient to the public, i.e., near the entrance gate.

(b) An owner or operator may demonstrate alternative means to providing an opportunity for the general public to recycle household solid waste.

(7) Disposal of Regulated Hazardous Waste and Regulated Waste Containing PCBs Prohibited.

(a) An owner or operator of a landfill shall not knowingly

dispose, treat, store, or otherwise handle hazardous waste or waste containing PCBs except under the following conditions:

(i) if the waste meets the conditions specified in Subsections R315-2-4; or

(ii) if the waste meets the conditions specified in 40 CFR 261.5 (1996) as incorporated by reference in Section R315-2-5; or

(iii) if the waste meets the conditions specified in 40 CFR 761.60 (1996) for disposal other than incineration, specified in 40 CFR 761.70 (1996), or chemical landfill, specified in 40 CFR 761.75 (1996).

(b) An owner or operator of a landfill shall include and implement, as part of the plan of operation, a plan that will inspect loads or take other steps as approved by the Executive Secretary that will prevent the disposal of regulated hazardous waste or regulated waste containing PCBs, including:

(i) inspection frequency and inspection of loads suspected of containing regulated hazardous waste or regulated waste containing PCBs;

(ii) inspection in a designated area or at a designated point in the disposal process;

(iii) a training program for the facility employees in identification of regulated hazardous waste and regulated waste containing PCBs; and

(iv) maintaining written records of all inspections, signed by the inspector.

(c) If the receipt of regulated hazardous waste or regulated waste containing PCBs is discovered, the owner or operator of the landfill shall:

(i) notify the Executive Secretary, the hauler, and the generator within 24 hours;

(ii) restrict the inspection area from public access and from facility personnel; and

(iii) assure proper cleanup, transport, and disposal of the waste.

(d) A landfill that is permitted to accept waste containing PCBs under the Toxic Substances Control Act may receive waste containing PCBs but shall exclude hazardous waste.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-305. Class IV Landfill Requirements.
R315-305-1. Applicability.

(1) These standards apply to each facility that landfills only:

(a) inert waste, construction/demolition waste, yard waste, dead animals; or

(b) upon meeting the requirements of Section 26-32a-103.5 and Subsections R315-320-3(1) or (2), waste tires and material derived from waste tires.

(2) Inert wastes and inert demolition waste used as road building materials and fill material are excluded from Rule R315-305.

(3) The location, design, and operation standards of Rule R315-305 become effective January 1, 1998 on each Class IV Landfill.

(4) The ground water monitoring standards of Rule R315-305 become effective July 1, 1998 on each Class IV Landfill that is required to monitor the ground water.

R315-305-2. Class IV Landfill Standards for Performance.

Each Class IV Landfill shall meet the landfill standards for performance as specified in Section R315-303-2.

R315-305-3. Definitions.

Terms used in Rule R315-305 are defined in Section R315-301-2. In addition, for the purpose of Rule R315-305, the following definitions apply.

(1) "Class IVa Landfill" means a Class IV Landfill that receives, based on an annual average, over 20 tons of waste per day and may receive, as a component of construction/demolition waste, conditionally exempt small quantity generator hazardous waste as defined by Section R315-2-5.

(2) "Class IVb Landfill" means a Class IV Landfill that receives, based on an annual average, 20 tons, or less, of waste per day or demonstrates that no conditionally exempt small quantity generator hazardous waste is accepted.

(3) "Existing Class IV Landfill" means a Class IV Landfill that was receiving waste on or before January 1, 1998.

(4) "New Class IV Landfill" means a Class IV Landfill that begins receiving waste after January 1, 1998.

R315-305-4. General Requirements.

(1) Location Standards.

(a) A new Class IV Landfill or a lateral expansion of an existing Class IV Landfill shall be subject to the following location standards:

(i) the standards with respect to floodplains as specified in Subsection R315-302-1(2)(c)(ii);

(ii) the standards with respect to wetlands as specified in Subsection R315-302-1(2)(d); and

(iii) the landfill shall be located so that the lowest level of waste is at least five feet above the historical high level of ground water.

(b) An existing Class IV Landfill shall not be subject to the location standards of Subsection R315-305-4(1)(a).

(2) An owner or operator of a Class IV Landfill shall obtain a permit, as set forth in Rule R315-310.

(3) An owner or operator of a Class IV Landfill shall design and operate the landfill to:

(a) prevent the run-on of all surface waters resulting from a maximum flow of a 25-year storm into the active area of the landfill; and

(b) collect and treat, if necessary, the run-off of surface waters and other liquids resulting from a 25-year storm from the active area of the landfill.

(4) An owner or operator of a Class IVa Landfill shall monitor the ground water beneath the landfill as specified in Rule R315-308.

(5) An owner or operator of a Class IV Landfill shall erect a sign at the facility entrance as specified in Subsection R315-303-3(6)(d).

(6) An owner or operator of a Class IV Landfill shall maintain the applicable records as specified in Subsection R315-302-2(3).

(7) An owner or operator of a Class IV Landfill shall meet the requirements of Subsection R315-302-2(6) and make the required recording with the county recorder.

R315-305-5. Requirements for Operation.

(1) An owner or operator of a Class IV Landfill shall not accept any other form of waste except construction/demolition waste, yard waste, inert waste, dead animals, or upon meeting the requirements of Section 26-32a-103.5 and Subsections R315-320-3(1) or (2), waste tires and material derived from waste tires.

(2) An owner or operator of a Class IV Landfill shall prevent the disposal of unauthorized waste by ensuring that at least one person is on site during hours of operation and shall prevent unauthorized disposal during off-hours by controlling entry, i.e., lockable gate or barrier, when the facility is not open.

(3) An owner or operator of a Class IV Landfill shall employ measures to prevent emission of fugitive dusts, when weather conditions or climate indicate that transport of dust off-site is liable to create a nuisance. Preventative measures include watering of roads and covering the waste with soil.

(4) Timbers, wood, and other combustible waste shall be covered with a minimum of six inches of soil, or equivalent, as needed to avoid a fire hazard.

(5) The owner or operator of a Class IV Landfill shall meet the applicable general requirements of closure and post-closure care of Section R315-302-3 as determined by the Executive Secretary.

(a) The owner or operator of a Class IVa Landfill shall meet the specific closure requirements of Subsection R315-303-3(4).

(b) The owner or operator of a Class IVb Landfill shall close the facility by:

(a) leveling the waste to the extent practicable;

(b) covering the waste with a minimum of two feet of soil, including six inches of topsoil;

(c) contouring the cover as specified in Subsection R315-303-3(4)(a)(iii); and

(d) seeding the cover with grass, other shallow rooted vegetation, or other native vegetation or covering in another manner approved by the Executive Secretary to minimize erosion.

KEY: solid waste management, waste disposal

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-306. Energy Recovery and Incinerator Standards.
R315-306-1. Applicability.

(1) These standards apply to any energy recovery and incinerator facility as specified in Subsections R315-306-2(1) and R315-306-3(1).

(2) These standards do not apply to:

(a) an incineration facility which is required to obtain a state or federal hazardous waste plan approval;

(b) a facility burning only untreated woodwaste;

(c) the flaring of gases recovered at a landfill; or

(d) industrial solid waste facilities.

R315-306-2. Requirements for Energy Recovery Facilities and Incinerators.

(1) These standards apply to any energy recovery and incinerator facility designed to incinerate more than ten tons of solid waste per day.

(2) An energy recovery and incinerator facility shall be subject to the location standards of Section R315-302-1 with the exception of the following Subsections: R315-302-1(2)(a)(iv) and (v), R315-302-1(2)(e), and R315-302-1(3).

(3) Each owner or operator of an energy recovery facility or incinerator facility shall comply with Section R315-302-2. The submitted plan of operation shall also address alternative storage, or disposal plans for all breakdowns that would result in overfilling the storage facility.

(4) The submitted plan of operation shall also contain a written waste identification plan which shall include identification of the specific waste streams to be handled by the facility, generator waste analysis requirements and procedures, waste verification procedures at the facility, generator certification of wastes shipped as being non-hazardous, and record keeping procedures, including a detailed operating record.

(5) Each energy recovery or incinerator facility shall be surrounded by a fence, trees, shrubbery, or natural features so as to control access and be screened from the view of immediately adjacent neighbors, unless the tipping floor is fully enclosed by a building. Each site shall also have an adequate buffer zone of at least 50 feet from the operating area to the nearest property line in areas zoned residential to minimize noise and dust nuisances.

(6) Solid waste shall be stored temporarily in storage compartments, containers or areas specifically designed to store wastes. Storage of wastes other than in specifically designed compartments, containers or areas is prohibited. Equipment and space shall be provided in the storage and charging areas, and elsewhere as needed, to allow periodic cleaning as may be required to maintain the plant in a sanitary and clean condition.

(7) A composite sample of the ash and residues from each energy recovery or incinerator facility shall be taken according to a sampling plan approved by the Executive Secretary.

(a) The sample shall be analyzed by the U.S. EPA Test Method 1311 as provided in 40 CFR Part 261, Appendix II, 1991 ed., Toxic Characteristics Leaching Procedure (TCLP) to determine if it is hazardous.

(b) If the ash and residues are found to be nonhazardous, they shall be disposed at a permitted landfill or recycled.

(c) If the ash and residues are found to be hazardous, they shall be disposed in a permitted hazardous waste disposal site.

(8) Each energy recovery facility or incinerator must be located, designed, constructed and operated in a manner to comply with appropriate state and local air pollution control authority emission and operating requirements.

(9) An energy recovery facility or incinerator must collect and treat all run-off from the active areas of the site that may result from a 25-year storm event, and divert all run-on for the maximum flow of a 25-year storm around the site.

(10) All-weather roads shall be provided from the public highways or roads, to and within the disposal site and shall be designed and maintained to prevent traffic congestion hazards, dust, and noise pollution.

(11) Access to the energy recovery or incinerator site shall be controlled by means of a complete perimeter fence or other features and gates which shall be locked when an attendant is not at the gate to prevent unauthorized entry of persons or livestock to the facility.

(12) The plan of operation shall include a training program for new employees and annual review training for all employees to ensure safe handling of waste and proper operation of the equipment.

(13) Each owner or operator shall post signs at the facility which indicate the name, hours of operation, necessary safety precautions, types of wastes that are prohibited, and any other pertinent information.

(14) Each owner or operator of an energy recovery or incinerator facility shall be required to provide recycling facilities in a manner equivalent to those specified for landfills in Subsection R315-303-4(6).

(15) Each owner or operator of an energy recovery or incinerator facility shall implement a plan that will inspect loads or take other steps as approved by the Executive Secretary to prevent the disposal of regulated hazardous waste or regulated waste containing PCB's in a manner equivalent to those specified for landfills in Subsection R315-303-4(7).

(16) Each owner or operator shall close its energy recovery facility or incinerator by removing all ash, solid waste and other residues to a permitted facility.

R315-306-3. Requirements for Small Incinerators.

(1) Applicability.

(a) These requirements apply to any incinerator designed to incinerate ten tons, or less, of solid waste per day and incinerator facilities that incinerate solid waste only from on-site sources.

(b) If an incinerator processes 250 pounds, or less, of solid waste per week, the requirements of Section R315-306-3 do not apply and a permit from the Executive Secretary is not required but the facility may be regulated by other local, state, or federal requirements.

(2) Requirements.

(a) Each owner and operator of an incinerator facility shall comply with Section R315-302-2.

(b) Solid waste shall be stored temporarily only in storage compartments, containers, or areas specifically designed to store wastes. Equipment and space shall be provided in the storage and charging areas, and elsewhere as needed, to allow periodic

cleaning as necessary to maintain the plant in a sanitary and clean condition.

(c) Incinerator ash and residues from any incinerator shall be sampled, analyzed, and disposed as specified in Subsection R315-306-2(7).

(d) The owner or operator of the incinerator shall prevent the disposal of regulated hazardous waste or regulated waste containing PCB's as specified in Subsection R315-306-2(15).

(e) The incinerator must be designed, constructed and operated in a manner to comply with appropriate state and local air pollution control authority emission and operating requirements.

(f) The plan of operation shall include a training program for new employees and annual review training for all applicable employees to ensure safe handling of waste and proper operation of the equipment.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-308. Ground Water Monitoring Requirements.
R315-308-1. Applicability.

(1) Each existing landfill, pile, or landtreatment disposal facility that is required to perform ground water monitoring shall comply with the ground water monitoring requirements according to the compliance schedule as established by the Executive Secretary during the permitting or the permit renewal process.

(2) Each new landfill, pile, or landtreatment disposal facility that is required to perform ground water monitoring shall have the ground water monitoring system complete and operational before waste may be accepted at the facility.

(3) Ground water monitoring requirements may be suspended by the Executive Secretary if the owner or operator of a solid waste disposal facility can demonstrate that there is no potential for migration of hazardous constituents from the facility to the ground water during the active life of the facility and the post-closure care period. This demonstration must be certified by a qualified ground-water scientist and approved by the Executive Secretary, and must be based upon:

(a) site-specific field collected measurements, sampling, and analysis of physical, chemical, and biological processes affecting contaminant fate and transport; and

(b) contaminant fate and transport predictions that maximize contaminant migration and consider impacts on human health and the environment.

(4) Once a ground water monitoring system and program has been established at a disposal facility, ground water monitoring shall continue to be conducted throughout the active life, closure, and post-closure care periods as specified by the Executive Secretary.

R315-308-2. Ground Water Monitoring Requirements.

(1) The ground water monitoring system must consist of at least one background or upgradient well and two downgradient wells, installed at appropriate locations and depths to yield ground water samples from the uppermost aquifer and all hydraulically connected aquifers below the facility, cell, or unit. The downgradient wells shall be designated as the point of compliance and must be installed at the closest practicable distance hydraulically down gradient from the unit boundary not to exceed 150 meters (500 feet) and must also be on the property of the owner or operator:

(a) the upgradient well must represent the quality of background water that has not been affected by leakage from the active area; and

(b) the downgradient wells must represent the quality of ground water passing the point of compliance. Additional wells may be required by the Executive Secretary in complicated hydrogeological settings or to define the extent of contamination detected.

(2) All monitoring wells must be cased in a manner that maintains the integrity of the monitoring well bore hole. This casing must allow collection of representative ground water samples. Wells must be constructed in such a manner as to prevent contamination of the samples, the sampled strata, and between aquifers and water bearing strata. All monitoring wells and all other devices and equipment used in the monitoring program must be operated and maintained so that they perform to design specifications throughout the life of the monitoring program.

(3) The ground water monitoring program must include at a minimum, procedures and techniques for:

(a) well construction and completion;

(b) decontamination of drilling and sampling equipment;

(c) sample collection;

(d) sample preservation and shipment;

(e) analytical procedures and quality assurance;

(f) chain of custody control; and

(g) procedures to ensure employee health and safety during well installation and monitoring.

(4) Each facility shall have a state certified laboratory complete tests, using methods with appropriate detection levels, as specified in the approved ground water monitoring plan, on samples for the following:

(a) during the first year of facility operation after wells are installed, a minimum of eight independent samples from the upgradient and four independent samples from each downgradient well for all parameters listed in Section R315-308-4 to establish background concentrations;

(b) after background levels have been established, a minimum of one sample, semiannually, from each well, background and downgradient, for all parameters listed in Section R315-308-4 as a detection monitoring program;

(i) In the detection monitoring program, the owner or operator must determine ground water quality at each monitoring well on a semiannual basis during the life of an active area, including the closure period, and the post-closure care period.

(ii) The owner or operator must express the ground water quality at each monitoring well in a form appropriate for the determination of statistically significant changes;

(c) field measured pH, water temperature, and water conductivity must accompany each sample collected;

(d) analysis for the heavy metals and the organic constituents from Section R315-308-4 shall be completed on unfiltered samples; and

(e) the Executive Secretary may specify additional or fewer constituents depending upon the nature of the ground water or the waste on a site specific basis considering:

(i) the types, quantities, and concentrations of constituents in wastes managed at the landfill;

(ii) the mobility, stability, and persistence of waste constituents or their reaction products in the unsaturated zone beneath the landfill;

(iii) the detectability of indicator parameters, waste constituents, and reaction products in the ground water; and

(iv) the background concentration or values and coefficients of variation of monitoring parameters or constituents in the ground water.

(5) After background constituent levels have been established, a ground water quality protection standard shall be set by the Executive Secretary which shall become part of the ground water monitoring plan. The ground water quality protection standard will be set as follows.

(a) For constituents with background levels below the standards listed in Section R315-308-4, the ground water

quality standards of Section R315-308-4 shall be the ground water quality protection standard.

(b) If a constituent is detected and a background level is established but the ground water quality standard for the constituent is not included in Section R315-308-4 or the constituent has a background level that is higher than the value listed in Section R315-308-4 for that constituent, the ground water quality protection standard for that constituent shall be set according to health risk standards.

(6) The ground water monitoring program must include a determination of the ground water surface elevation each time ground water is sampled.

(7) The owner or operator shall use a statistical method for determining whether a significant change has occurred as compared to background. The Executive Secretary will approve such a method as part of the ground water monitoring plan. Possible statistical methods include:

(a) a parametric analysis of variance (ANOVA) followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The method must include estimation and testing of the contrasts between each compliance well's mean and the background mean levels for each constituent;

(b) an analysis of variance (ANOVA) based on ranks followed by multiple comparisons procedures to identify statistically significant evidence of contamination. The method must include estimation and testing of the contrasts between each compliance well's median and the background median levels for each constituent;

(c) a tolerance or prediction interval procedure in which an interval for each constituent is established from the distribution of the background data, and the level of each constituent in each compliance well is compared to the upper tolerance or prediction limit;

(d) a control chart approach that gives control limits for each constituent; or

(e) another statistical test method approved by the Executive Secretary.

(8) The Executive Secretary may specify additional or fewer sampling and analysis events, no less than annually, depending upon the nature of the ground water or the waste on a site specific basis considering:

(a) lithology of the aquifer and unsaturated zone;

(b) hydraulic conductivity of the aquifer and unsaturated zone;

(c) ground water flow rates;

(d) minimum distance between upgradient edge of the landfill unit and downgradient monitoring well screen (minimum distance of travel); and

(e) resource value of the aquifer.

(9) The owner or operator must determine and report the ground water flow rate and direction in the upper most aquifer each time the ground water is sampled.

(10) If the owner or operator determines that there is a statistically significant change in any parameter or constituent at any monitoring well at the compliance point, the owner or operator must:

(a) within 14 days of receipt of the sample analysis results, enter the information in the operating record and notify the Executive Secretary of this finding in writing. The notification must indicate what parameters or constituents have shown statistically significant changes; and

(b) immediately resample the ground water in all monitoring wells, both background and downgradient, or in a subset of wells specified by the Executive Secretary, and determine:

(i) the concentration of all constituents listed in Section R315-308-4, including additional constituents that may have been identified in the approved ground water monitoring plan;

(ii) if there is a statistically significant change such that the established ground water quality protection level has been exceeded; and

(iii) notify the Executive Secretary in writing within seven days of receipt of the sample analysis results.

(c) The owner or operator may demonstrate that a source other than the solid waste disposal facility caused the contamination or that the statistically significant change resulted from error in sampling, analysis, statistical evaluation, or natural variation in ground water quality. A report documenting this demonstration must be certified by a qualified ground-water scientist and approved by the Executive Secretary and entered in the operating record. If a successful demonstration is made and documented, the owner or operator may continue monitoring as specified in Subsection R315-308-2(4)(b).

(11) If, after 90 days, a successful demonstration as stipulated in Subsection R315-308-2(10)(c) is not made, the owner or operator must initiate the assessment monitoring program required as follows:

(a) within 14 days of the determination that a successful demonstration is not made, take one sample from each downgradient well and analyze for all constituents listed as Appendix II in 40 CFR Part 258, 1991 ed., which is adopted and incorporated by reference.

(b) for any constituent detected from Appendix II, 40 CFR Part 258, in the downgradient wells a minimum of eight independent samples from the upgradient and four independent samples from each downgradient well must be collected and analyzed to establish background concentration levels for the constituents; and

(c) within 14 days of the receipt of the results of the analysis of the samples, place a notice in the operation record and notify the Executive Secretary in writing identifying the Appendix II, 40 CFR Part 258, constituents and their concentrations that have been detected as well as background levels. The Executive Secretary shall establish a ground water quality protection standard pursuant to Subsection R315-308-2(5) for any Appendix II, 40 CFR Part 258, constituent detected in the downgradient wells.

(d) The owner or operator shall thereafter resample:

(i) all wells on a quarterly basis for all constituents in Section R315-308-4, or the alternative list that may have been approved as part of the permit, and for those constituents detected from Appendix II, 40 CFR Part 258; and

(ii) the downgradient wells on an annual basis for all constituents in Appendix II, 40 CFR Part 258.

(e) If after two consecutive sampling events, the concentrations of all constituents being analyzed in Subsection R315-308-2(11)(d)(i) are shown to be at or below established

background values, the owner or operator must notify the Executive Secretary of this finding and may, upon the approval of the Executive Secretary, return to the monitoring schedule and constituents as specified in Subsection R315-308-2(4)(b).

(12) If one or more constituents from Section R315-308-4 or the approved alternative list, or from those detected from Appendix II, 40 CFR Part 258, are detected at statistically significant levels above the ground water quality protection standard as established pursuant to Subsection R315-308-2(5) in any sampling event, the owner or operator must:

(a) within 14 days of the receipt of this finding, place a notice in the operating record identifying the constituents and concentrations that have exceeded the ground water quality standard. Within the same time period, the owner or operator must also notify the Executive Secretary and all appropriate local governmental and local health officials that the ground water quality standard has been exceeded;

(b) characterize the nature and extent of the release by installing additional monitoring wells as necessary;

(c) install at least one additional monitoring well at the facility boundary in the direction of contaminant migration and sample this well and analyze the sample for the constituents in Section R315-308-4 or the approved alternative list and the detected constituents from Appendix II, 40 CFR Part 258; and

(d) notify all persons who own the land or reside on the land that directly overlies any part of the plume of contamination if contaminants have migrated off-site as indicated by sampling of wells in accordance with Subsections R315-308-2(12)(b) and (12)(c).

(e) The owner or operator may demonstrate that a source other than the solid waste disposal facility caused the contamination or that the statistically significant change resulted from error in sampling, analysis, statistical evaluation, or natural variation in ground water quality. A report documenting this demonstration must be certified by a qualified ground-water scientist and approved by the Executive Secretary and entered in the operating record. If a successful demonstration is made, documented and approved, the owner or operator may continue monitoring as specified in Subsection R315-308-2(11)(d) or Subsection R315-308-2(11)(e) when applicable.

R315-308-3. Corrective Action Program.

(1) If, within 90 days, a successful demonstration as stated in Subsection R315-308-2(12)(e) is not made, the owner or operator must:

(a) continue to monitor as required in Subsection R315-308-2(11)(d).

(b) take any interim measures as required by the Executive Secretary or as necessary to ensure the protection of human health and the environment; and

(c) assess possible corrective action measures for the current conditions and circumstances of the disposal facility, addressing at least the following:

(i) the performance, reliability, ease of implementation, and potential impacts of appropriate potential remedies, including safety impacts, cross-media impacts, and control exposure to any residual contamination;

(ii) time required to begin and complete the remedy;

(iii) the costs of remedy implementation;

(iv) public health or environmental requirements that may substantially affect implementation of the remedy; and

(v) prior to the selection of a remedy, discuss the results of the corrective measures assessment in a public meeting with interested and affected parties.

(d) Based on the results of the corrective measures assessment conducted and the comments received in the public meeting, the owner or operator must select a remedy which shall be submitted to the Executive Secretary.

(i) The corrective action remedy must:

(A) be protective of human health and the environment;

(B) use permanent solutions that are within the capability of best available technology;

(C) attain the established ground water quality standard;

(D) control the sources of release so as to reduce or eliminate, to the maximum extent practicable, further releases of contaminants into the environment that may pose a threat to human health or the environment; and

(E) be approved by the Executive Secretary.

(ii) Within 14 days after the selection of the remedy the owner or operator must:

(A) amend the corrective action program required by Subsection R315-302-2(2)(e) if necessary and send a report to the Executive Secretary for approval describing the selected remedy and amendments, along with a schedule of implementation and estimated time of completion; and

(B) put in place the financial assurance mechanism as required by Rule R315-309 for corrective action and notify the Executive Secretary of the financial assurance mechanism and its effective date.

(2) Upon approval of the selected corrective action remedy, the Executive Secretary will notify the owner or operator of such approval and will require that the corrective action plan proceed according to the approved schedule.

(a) The Executive Secretary may also require facility closure if the ground water quality standard is exceeded and, in addition, may revoke any permit and require reapplication.

(b) The Executive Secretary or the owner or operator may determine, based on information developed after implementation of the corrective action plan, that compliance with the requirements of Subsection R315-308-3(1)(d)(i) of this section are not being achieved through the remedy selected. In such cases, the owner or operator must implement other methods or techniques, upon approval by the Executive Secretary, that could practicably achieve compliance with the requirements.

(c) Upon completion of the remedy, the owner or operator must notify the Executive Secretary. The notification must contain certification signed by the owner or operator and a qualified ground-water scientist that the concentration of contaminant constituents have been reduced to levels below the specified limits of the ground water quality standard for a period of three years or an alternative length of time specified by the Executive Secretary. Upon approval of the Executive secretary the owner or operator shall:

(i) terminate corrective action measures;

(ii) continue detection monitoring as required in Subsection R315-308-2(4)(b); and

(iii) be released from the requirements of financial

assurance for corrective action.

R315-308-4. Constituents for Detection Monitoring.

(1) The table lists the constituents for detection monitoring, the CAS number for the constituents, and the ground water quality standard for the constituents for any facility that is required to monitor ground water under Rule R315-308.

TABLE

Constituents for Detection Monitoring

	CAS	Ground Water Protection Standard (mg/l)
Inorganic Constituents		
Ammonia (as N)	7664-41-7	
Carbonate/Bicarbonate		
Calcium		
Chemical Oxygen Demand (COD)		
Chloride		
Iron	7439-89-6	
Magnesium		
Manganese	7439-96-5	
Nitrate (as N		
pH		
Potassium		
Sodium		
Sulfate		
Total Dissolved Solids (TDS)		
Total Organic Carbon (TOC)		
Heavy Metals		
Antimony	7440-36-0	0.006
Arsenic	7440-38-2	0.05
Barium	7440-39-3	2
Beryllium	7440-41-7	0.004
Cadmium	7440-43-9	0.005
Chromium		0.1
Cobalt	7440-48-4	0.4
Copper	7440-50-8	1.3
Lead		0.015
Mercury	7439-97-6	0.002
Nickel	7440-02-0	0.1
Selenium	7782-49-2	0.05
Silver	7440-22-4	0.1
Thallium		0.002
Vanadium	7440-62-2	0.05
Zinc	7440-66-6	5
Organic Constituents		
Acetone	67-64-1	0.7
Acrylonitrile	107-13-1	0.1
Benzene	71-43-2	0.005
Bromochloromethane	74-97-5	0.01
Bromodichloromethane[1]	75-27-4	0.1
Bromoform[1]	75-25-2	0.1
Carbon disulfide	75-15-0	0.7
Carbon tetrachloride	56-23-5	0.005
Chlorobenzene	108-90-7	0.1
Chloroethane	75-00-3	0.3
Chloroform[1]	67-66-3	0.1
Dibromochloromethane[1]	124-48-1	0.1
1,2-Dibromo-3-chloropropane	96-12-8	0.0002
1,2-Dibromoethane	106-93-4	0.00005
1,2-Dichlorobenzene (ortho)	95-50-1	0.6
1,4-Dichlorobenzene (para)	106-46-7	0.075
trans-1,4-Dichloro-2-butene	110-57-6	
1,1-Dichloroethane	75-34-3	0.7
1,2-Dichloroethane	107-06-2	0.005
1,1-Dichloroethylene	75-35-4	0.007
cis-1,2-Dichloroethylene	156-59-2	0.07
trans-1,2-Dichloroethylene	156-60-5	0.1
1,2-Dichloropropane	78-87-5	0.005
cis-1,3-Dichloropropene	10061-01-5	0.002
trans-1,3-Dichloropropene	10061-02-6	0.002
Ethylbenzene	100-41-4	0.7
2-Hexanone	591-78-6	
Methyl bromide	74-83-9	0.01
Methyl chloride	74-87-3	0.003
Methylene bromide	74-95-3	0.07
Methylene chloride	75-09-2	0.005
Methyl ethyl ketone	78-93-3	0.17
Methyl iodide	74-88-4	
4-Methyl-2-pentanone	108-10-1	0.6
Styrene	100-42-5	0.1
1,1,1,2-Tetrachloroethane	630-20-6	0.07
1,1,2,2-Tetrachloroethane	79-34-5	0.0058
Tetrachloroethylene	127-18-4	0.005
Toluene	108-88-3	1
1,1,1-Trichloroethane	71-55-6	0.2
1,1,2-Trichloroethane	79-00-5	0.005
Trichloroethylene	79-01-6	0.005
Trichlorofluoromethane	75-69-4	2
1,2,3-Trichloropropane	96-18-4	0.04
Vinyl acetate	108-05-4	7
Vinyl Chloride	75-01-4	0.002
Xylenes	1330-20-7	10

[1] The ground water protection standard of 0.1 mg/l is for the total of Bromodichloromethane, Bromoform, Chloroform, and Dibromochloromethane.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-309. Financial Assurance.
R315-309-1. Applicability.

(1) The owner or operator of any solid waste disposal facility requiring a permit shall establish financial assurance sufficient to assure adequate closure, post-closure care, and corrective action, if required, of the facility by compliance with one or more financial assurance mechanisms acceptable to and approved by the Executive Secretary.

(2) Financial assurance is not required for a solid waste disposal facility that is owned or operated by the State of Utah or the Federal government.

(3) Existing Disposal Facilities.

(a) An existing disposal facility shall have the financial assurance mechanism in place and effective according to the compliance schedule as established for the facility by the Executive Secretary.

(b) In the case of corrective action, the financial assurance mechanism shall be in place and effective no later than 120 days after the corrective action remedy has been selected.

(4) A new disposal facility or an existing disposal facility seeking lateral expansion shall have the financial assurance mechanism in place and effective before the initial receipt of waste at the facility or the lateral expansion.

R315-309-2. General Requirements.

(1) A financial assurance plan, including the assurance mechanism proposed for use, shall be submitted:

(a) for new facilities, upon initial permit application; and

(b) for existing facilities, to meet the effective dates specified in Subsection R315-309-1(3).

(2) The financial assurance shall be updated each year as part of the annual report required by Subsection R315-302-2(4) to adjust for inflation or facility modification that would affect closure or post-closure care costs. The annual update of the financial assurance shall be reviewed and must be approved by the Executive Secretary prior to implementation.

(3) Financial assurance cost estimates shall be based on a third party performing closure or post-closure care.

(a) The closure cost estimate shall be based on the most expensive cost to close the largest area of the disposal facility ever requiring a final cover at any time during the active life in accordance with the closure plan and at a minimum must contain the following elements if applicable:

(i) the cost of obtaining, moving, and placing the cover material;

(ii) the cost of final grading of the cover material;

(iii) the cost of moving and placing topsoil on the final cover; and

(iv) the cost of fertilizing, seeding, and mulching or other approved method.

(b) The post-closure care cost estimate shall be based on the most expensive cost of completing the post-closure care reasonably expected during the post-closure care period and must contain the following elements:

(i) ground water monitoring, if required, including number of monitor wells, parameters to be monitored, frequency of sampling, and cost per sampling;

(ii) leachate monitoring and treatment if necessary;

(iii) gas monitoring and control if required; and

(iv) cover stabilization which will include an estimate of the area and cost for expected annual work to repair residual settlement, control erosion, or reseed.

(4) Financial assurance for corrective action shall be required only in cases of known releases of contaminants from a facility and shall be a current cost estimate for corrective action based on the most expensive cost of a third party performing the corrective action that may be required.

R315-309-3. Financial Assurance Mechanisms.

(1) Any financial assurance mechanism in place for a solid waste disposal facility must:

(a) be legally valid, binding, and enforceable under state and Federal law; and

(b) ensure that funds will be available in a timely fashion when needed.

(2) The owner or operator of a solid waste disposal facility that is required to provide financial assurance shall establish financial assurance by one of the following mechanisms.

(a) A solid waste disposal facility shall submit the required documentation of the financial assurance mechanism to the Executive Secretary.

(b) Prior to the financial assurance mechanism becoming effective and active for a solid waste disposal facility, the mechanism must be approved by the Executive Secretary.

(3) Trust Fund.

(a) The trustee must be an entity which has the authority to act as a trustee and whose operations are regulated and examined by a Federal or state agency.

(b) The owner or operator shall submit a copy of the trust agreement to the Executive Secretary for approval and shall place a copy of the trust agreement in the operating record of the solid waste disposal facility.

(c) Payments into the trust fund must be made annually by the owner or operator according to the following schedule:

(i) for a trust fund for closure and post-closure care, annual payments that will ensure the availability of sufficient funds within five years of permit approval for the cost estimates required in Subsection R315-309-2(3). The initial payment into the trust fund must be made, for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste and for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); or

(ii) for a trust fund for corrective action, annual payments that will ensure the availability of sufficient funds within one-half of the estimated length in years of the corrective action program for the cost estimate required by Subsection R315-309-2(4). The first payment shall be at least equal to one-half of the current cost estimate for the corrective action divided by one-half the estimated length of the corrective action program. The initial payment into the trust fund shall be made in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(d) The owner or operator, or other person authorized to conduct closure, post-closure, or corrective action may request reimbursement from the trustee for closure, post-closure, or corrective action costs.

(i) Prior to the release of funds by the trustee, the request for reimbursement must be approved by the Executive

Secretary. The Executive Secretary shall act upon the reimbursement request within 30 days of receiving the request.

(ii) After receiving approval from the Executive Secretary, the request for reimbursement may be granted by the trustee only if sufficient funds are remaining to cover the remaining costs and if justification and documentation of the costs is placed in the operating record.

(iii) The owner or operator shall notify the Executive Secretary that documentation for the reimbursement has been placed in the operating record and that the reimbursement has been received.

(4) Surety Bond Guaranteeing Payment or Performance.

(a) The bond must be effective, for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste or, for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3).

(b) The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties on Federal bonds in Circular 570 of the U.S. Department of the Treasury and the owner or operator must notify the Executive Secretary that a copy of the bond has been placed in the operating record.

(c) The penal sum of the bond must be in an amount at least equal to the closure, post-closure, or corrective action cost estimates of Subsection R315-309-2(3) or Subsection R315-309-2(4), whichever is applicable.

(d) Under the terms of the bond, the surety will become liable on the bond obligation when the owner or operator fails to perform as guaranteed by the bond.

(i) In the case of a payment bond, the surety shall pay the costs of closure and post-closure care if the owner or operator fails to complete closure and post-closure care activities.

(ii) In the case of a performance bond, the surety shall perform closure and post-closure care on behalf of the owner or operator if the owner or operator fails to complete closure and post-closure care activities.

(e) In the case of a payment bond and at the time the bond is issued, the owner or operator shall establish a standby trust fund.

(i) The standby trust fund must meet the requirements of Subsections R315-309-3(3)(a), (b), and (d).

(ii) Payment made under the terms of the bond will be deposited by the surety directly into the standby trust fund. Payments from the trust fund must be approved by the Executive Secretary and the trustee.

(f) The surety bond guaranteeing payment or performance shall contain provisions preventing cancellation except under the following conditions:

(i) if the surety sends notice of cancellation by certified mail to the owner or operator and the Executive Secretary 120 days in advance of the cancellation date; or

(ii) if an alternative financial assurance mechanism has been obtained by the owner or operator.

(5) Insurance.

(a) The insurance must be effective, for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste or, for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3).

(b) At a minimum, the insurer must be licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more states, and the owner or operator must notify the Executive Secretary that a copy of the insurance policy has been placed in the operating record.

(c) The insurance policy must guarantee that funds will be available to close the facility or unit and provide post-closure care or provide corrective action, if applicable. The policy must also guarantee that the insurer will be responsible for paying out funds to the owner or operator or other person authorized to conduct closure, post-closure, or corrective action, if applicable, up to an amount equal to the face amount of the policy.

(d) The insurance policy must be issued for a face amount at least equal to the closure, post-closure, or corrective action cost estimates required by Subsection R315-309-2(3) or Subsection R315-309-2(4), whichever is applicable.

(e) An owner or operator, or other authorized person may receive reimbursements for closure, post-closure, or corrective action, if applicable, if the remaining value of the policy is sufficient to cover the remaining costs of the work required and if justification and documentation of the cost is placed in the operating record. The owner or operator must notify the Executive Secretary that the documentation and justification for the reimbursement has been placed in the operating record and that the reimbursement has been received.

(f) Each policy must contain a provision allowing assignment of the policy to a successor owner or operator.

(g) The insurance policy must provide that the insurer may not cancel, terminate, or fail to renew the policy except for failure to pay the premium. If there is a failure to pay the premium, the insurer may cancel the policy by sending notice of cancellation by certified mail to the owner or operator and the Executive Secretary 120 days in advance of cancellation. If the insurer cancels the policy, the owner or operator must obtain alternate financial assurance.

(6) Letter of Credit.

(a) The letter of credit must be irrevocable and issued for a period of at least one year in the amount at least equal to the current cost estimate as required by Subsection R315-309-2(3) for closure and post-closure care or the cost estimate as required by Subsection R315-309-2(4) for corrective action, if necessary.

(b) The institution issuing the letter of credit must be an entity which has the authority to issue a letter of credit and whose operations are regulated and examined by a Federal or state agency.

(c) The letter of credit must be effective for closure and post-closure care:

(i) for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste;

(ii) for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); and

(iii) for corrective action, in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(d) The letter of credit must provide that the expiration date will be automatically extended for a period of at least one year unless the issuing institution has elected not to extend the letter of credit by sending notice by certified mail to the owner or operator and the Executive Secretary 120 days in advance of the expiration.

(e) If the letter of credit is not extended by the issuing institution, the owner or operator shall obtain alternate financial assurance which will become effective on or before the expiration date.

(7) Local Government Financial Test.

(a) The following terms used in Subsection R315-309-3(7) are defined as follows.

(i) "Total revenues" means the revenues from all taxes and fees but does not include the proceeds from borrowing or asset sales, excluding revenue form funds managed by local government on behalf of a specific third party.

(ii) "Total expenditures" means all expenditures excluding capital outlays and debt repayments.

(iii) "Cash plus marketable securities" means all the cash plus marketable securities held by the local government on the last day of a fiscal year, excluding cash and marketable securities designated to satisfy past obligations such as pensions.

(iv) "Debt service" means the amount of principal and interest due on a loan in a given time period, typically the current year.

(b) A local government owner or operator of a solid waste disposal facility may demonstrate financial assurance up to the current cost estimate as required by Subsection R315-309-2(3) for closure and post-closure care and the cost estimate as required by Subsection R315-309-2(4) for corrective action, if required, or up to the amount specified in Subsection R315-309-3(7)(f), which ever is less, by meeting the following requirements.

(i) If the local government has outstanding, rated general obligation bonds that are not secured by insurance, a letter of credit, or other collateral or other guarantee, it must have a current rating of Aaa, Aa, A, or Baa, as issued by Moody's or AAA, AA, A, or BBB, as issued by Standard and Poor's on such general obligation bonds.

(ii) If the local government has no outstanding general obligation bonds, the local government shall satisfy each of the following financial ratios based on the local government's most recent audited annual financial statement:

(A) a ratio of cash plus marketable securities to total expenditures greater than or equal to 0.05; and

(B) a ratio of annual debt service to total expenditures less than or equal to 0.20.

(iii) The local government must prepare its financial statements in conformity with Generally Accepted Accounting Principles for governments and have its financial statements audited by an independent certified public accountant.

(iv) The local government must place a reference to the closure and post-closure care costs assured through the financial test into the next comprehensive annual financial report and in every subsequent comprehensive annual financial report during the time in which closure and post-closure care costs are assured through the financial test. A reference to corrective action costs must be placed in the comprehensive annual financial report not later than 120 days after the corrective action remedy has been selected. The reference to the closure and post-closure care costs shall contain:

(A) the nature and source of the closure and post-closure care requirements;

(B) the reported liability at the balance sheet date;

(C) the estimated total closure and post-closure care costs remaining to be recognized;

(D) the percentage of landfill capacity used to date; and

(E) the estimated landfill life in years.

(c) A local government is not eligible to assure closure, post-closure care, or corrective action costs at its solid waste disposal facility through the financial test if it:

(i) is currently in default on any outstanding general obligation bonds, or

(ii) has any outstanding general obligation bonds rated lower than Baa as issued by Moody's or BBB as issued by Standard and Poor's; or

(iii) has operated at a deficit equal to 5%, or more, of the total annual revenue in each of the past two fiscal years; or

(iv) receives an adverse opinion, disclaimer of opinion, or other qualified opinion from the independent certified public accountant, or appropriate state agency auditing its financial statement. The Executive Secretary may evaluate qualified opinions on a case-by-case basis and allow use of the financial test in cases where the Executive Secretary deems the qualification insufficient to warrant disallowance of use of the test.

(d) The local government owner or operator must submit the following items to the Executive Secretary for approval and place a copy of these items in the operating record of the facility:

(i) a letter signed by the local government's chief financial officer that:

(A) lists all current cost estimates covered by a financial test; and

(B) provides evidence and certifies that the local government meets the requirements of Subsections R315-309-3(7)(b) and R315-309-3(7)(f);

(ii) the local government's independently audited year-end financial statements for the latest fiscal year including the unqualified opinion of the auditor, who must be an independent certified public accountant;

(iii) a report to the local government from the local government's independent certified public accountant stating the procedures performed and the findings relative to:

(A) the requirements of Subsections R315-309-3(7)(b)(iii) and R315-309-3(7)(c)(iii) and (iv); and

(B) the financial ratios required by Subsection R315-309-3(7)(b)(ii), if applicable; and

(iv) a copy of the comprehensive annual financial report used to comply with Subsection R315-309-3(7)(b)(iv).

(v) The items required by Subsection R315-309-3(7)(d) are to be submitted to the Executive Secretary and copies placed in the facility's operating record as follows:

(A) in the case of closure and post-closure care, for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste;

(B) in the case of closure and post-closure care, for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); and

(C) in the case of corrective action, in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(e) A local government must satisfy the requirements of the financial test at the close of each fiscal year.

(i) The items required in Subsection R315-309-3(7)(d) shall be submitted as part of the facility's annual report required by Subsection R315-302-2(4).

(ii) If the local government no longer meets the requirements of the local government financial test it shall, within 210 days following the close of the local government's fiscal year:

(A) obtain alternative financial assurance that meets the requirements of R315-309-1(1); and

(B) submit documentation of the alternative financial assurance to the Executive Secretary and place copies of the documentation in the facility's operating record.

(iii) The Executive Secretary, based on a reasonable belief that the local government may no longer meet the requirements of the local government financial test, may require additional reports of financial condition from the local government at any time. If the Executive Secretary finds that the local government no longer meets the requirements of the local government financial test, the local government shall be required to provide alternative financial assurance on a schedule established by the Executive Secretary.

(f) The portion of the closure, post-closure, and corrective action costs for which a local government owner or operator may assume under the local government financial test is determined as follows:

(i) If the local government does not assure other environmental obligations through a financial test, it may assure closure, post-closure, and corrective action costs that equal up to 43% of the local government's total annual revenue.

(ii) If the local government assures any other environmental obligation through a financial test, it must add those costs to the closure, post-closure, and corrective action costs it seeks to assure by local government financial test. The total that may be assured must not exceed 43% of the local government's total annual revenue.

(iii) The local government shall obtain an alternate financial assurance mechanism for those costs that exceed 43% of the local government's total annual revenue.

(8) Local Government Guarantee.

(a) An owner or operator of a solid waste disposal facility may demonstrate financial assurance for closure, post-closure, and corrective action by obtaining a written guarantee provided by a local government. The local government shall meet the requirements of the local government financial test in Subsection R315-309-3(7) and shall comply with the terms of the written guarantee as specified in Subsections R315-309-3(8)(b) and (c).

(b) The guarantee must be effective for closure and post-closure care:

(i) for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste;

(ii) for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); and

(iii) for corrective action, in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(c) The guarantee shall provide that if the owner or operator fails to perform closure, post-closure care, or corrective action of a facility covered by the guarantee, the guarantor will:

(i) perform, or pay a third party to perform, closure, post-closure, or corrective action as required; or

(ii) establish a fully funded trust fund as specified in Subsection R315-309-3(3) in the name of the owner or operator.

(d) The guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Executive Secretary. Cancellation may not occur until 120 days after the date the notice is received by the Executive Secretary.

(e) If the guarantee is canceled, the owner or operator shall, within 90 days following the receipt of the cancellation notice:

(i) obtain alternate financial assurance that meets the requirements of Subsection R315-309-1(1);

(ii) submit documentation of the alternate financial assurance to the Executive Secretary; and

(iii) place copies of the documentation of the alternate financial assurance in the facility's operating record.

(iv) If the owner or operator fails to provide alternate financial assurance within the 90 day period, the guarantor must provide the alternate financial assurance within 120 days following the guarantor's notice of cancellation, submit documentation of the alternate financial assurance to the Executive Secretary for review and approval, and place copies of the documentation in the facility's operating record.

(9) Corporate Financial Test.

(a) A corporate owner or operator of a solid waste disposal facility may demonstrate financial assurance up to the current cost estimate as required by Subsection R315-309-2(3) for closure and post-closure care and the cost estimate required by Subsection R315-309-2(4) for corrective action, if required, by meeting the following requirements.

(i) The owner or operator must satisfy one of the following three conditions:

(A) a current rating for its senior unsubordinated debt of AAA, AA, A, or BBB as issued by Standard and Poor's or Aaa, Aa, A, or Baa as issued by Moody's; or

(B) a ratio of less than 1.5 comparing total liabilities to net worth: or

(C) a ratio of greater than 0.10 comparing the sum of net income plus depreciation, depletion and amortization, minus $10 million, to total liabilities.

(ii) The tangible net worth of the owner or operator must be greater than:

(A) the sum of the current closure, post-closure care, and corrective action cost estimates and any other environmental obligation, including guarantees, covered by a financial test plus $10 million except as provided in Subsection R315-309-3(9)(a)(ii)(B);

(B) $10 million in net worth plus the amount of any guarantees that have not been recognized as liabilities on the financial statements provided all of the current closure, post-closure care, and corrective action costs and any other environmental obligations covered by a financial test are recognized as liabilities on the owner's or operator's audited financial statements, and subject to the approval of the Executive Secretary.

(iii) The owner or operator must have assets located in the United States amounting to at least the sum of current closure, post-closure care, corrective action cost estimates and any other

environmental obligations covered by a financial test.

(b) The owner or operator must place the following items into the facility's operating record and submit a copy of these items to the Executive Secretary for approval:

(i) a letter signed by the owner's or operator's chief financial officer that:

(A) lists all current cost estimates for closure, post-closure care, corrective action, and any other environmental obligations covered by a financial test; and

(B) provides evidence demonstrating that the firm meets the conditions of Subsection R315-309-3(9)(a)(i)(A), or (i)(B), or (i)(C) and Subsections R315-309-3(9)(a)(ii) and (iii); and

(ii) a copy of the independent certified public accountant's unqualified opinion of the owner's or operator's financial statements for the latest completed fiscal year.

(A) To be eligible to use the financial test, the owner's or operator's financial statements must receive an unqualified opinion from the independent certified public accountant. The Executive Secretary may evaluate qualified opinions on a case-by-case basis and allow use of the financial test where the Executive Secretary deems the matters which form the basis for the qualification are insufficient to warrant disallowance of the test.

(iii) If the chief financial officer's letter providing evidence of financial assurance includes financial data showing that the owner or operator satisfies Subsection R315-309-3(9)(a)(i)(A) or (B) that are different from data in the audited financial statements or data filed with the Securities and Exchange Commission, then a special report from the owner's or operator's independent certified public accountant is required. The special report shall:

(A) be based upon an agreed upon procedures engagement in accordance with professional auditing standards;

(B) describe the procedures performed in comparing the data in the chief financial officer's letter derived from the independently audited, year-end financial statements;

(C) describe the findings of that comparison; and

(D) explain the reasons for any differences.

(iv) If the chief financial officer's letter provides a demonstration that the firm has assured environmental obligations as provided in Subsection R315-309-3(9)(a)(ii)(B), then the letter shall include a report from the independent certified public accountant that:

(A) verifies that all of the environmental obligations covered by a financial test have been recognized as liabilities on the audited financial statements;

(B) explains how these obligations have been measured and reported; and

(C) certifies that the tangible net worth of the firm is at least $10 million plus the amount of all guarantees provided.

(v) The items required by Subsection R315-309-3(9)(b) are to be submitted to the Executive Secretary and copies placed in the facility's operating record as follows:

(A) in the case of closure and post-closure care, for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste;

(B) in the case of closure and post-closure care, for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); and

(C) in the case of corrective action, in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(e) A firm must satisfy the requirements of the financial test at the close of each fiscal year.

(i) The items required in Subsection R315-309-3(9)(b) shall be submitted as part of the facility's annual report required by Subsection R315-302-2(4).

(c) If the firm no longer meets the requirements of the corporate financial test it shall, within 120 days following the close of the firm's fiscal year:

(i) obtain alternative financial assurance that meets the requirements of R315-309-1(1); and

(ii) submit documentation of the alternative financial assurance to the Executive Secretary and place copies of the documentation in the facility's operating record.

(iii) The Executive Secretary, based on a reasonable belief that the firm may no longer meet the requirements of the corporate financial test, may require additional reports of financial condition from the firm at any time. If the Executive Secretary finds that the firm no longer meets the requirements of the corporate financial test, firm shall be required to provide alternative financial assurance on a schedule established by the Executive Secretary.

(10) Corporate Guarantee.

(a) A corporate owner or operator of a solid waste disposal facility may demonstrate financial assurance for closure, post-closure care, and corrective action by obtaining a written guarantee provided by a corporation.

(i) The guarantor must be the direct or higher-tier parent corporation of the owner or operator, a firm whose parent corporation is also the parent corporation of the owner or operator, or a firm with a substantial business relationship with the owner or operator.

(ii) The firm shall meet the requirements of the corporate financial test in Subsection R315-309-3(9) and shall comply with the terms of the written guarantee as specified in Subsections R315-309-3(10)(b) and (c).

(A) A certified copy of the guarantee along with copies of the letter from the guarantor's chief financial officer and accountant's opinions must be submitted to the Executive Secretary and placed in the facility's operating record.

(B) If the guarantor's parent corporation is also the parent corporation of the owner or operator, the letter from the guarantor's chief financial officer must describe the value received in consideration of the guarantee.

(C) If the guarantor is a firm with a substantial business relationship with the owner or operator, the letter from the chief financial officer must describe this substantial business relationship and the value received in consideration of the guarantee.

(b) The guarantee must be effective for closure and post-closure care:

(i) for a new facility or a lateral expansion of an existing facility, before the initial receipt of waste;

(ii) for an existing facility, in accordance with the effective dates specified in Subsection R315-309-1(3)(a); and

(iii) for corrective action, in accordance with the schedule specified in Subsection R315-309-1(3)(b).

(c) The guarantee shall provide that if the owner or

operator fails to perform closure, post-closure care, or corrective action of a facility covered by the guarantee, the guarantor will:

(i) perform, or pay a third party to perform, closure, post-closure, or corrective action as required; or

(ii) establish a fully funded trust fund as specified in Subsection R315-309-3(3) in the name of the owner or operator.

(d) The guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the owner or operator and to the Executive Secretary. Cancellation may not occur until 120 days after the date the notice is received by the Executive Secretary.

(e) If the guarantee is canceled, the owner or operator shall, within 90 days following the receipt of the cancellation notice:

(i) obtain alternate financial assurance that meets the requirements of Subsection R315-309-1(1);

(ii) submit documentation of the alternate financial assurance to the Executive Secretary; and

(iii) place copies of the documentation of the alternate financial assurance in the facility's operating record.

(iv) If the owner or operator fails to provide alternate financial assurance within the 90 day period, the guarantor must provide the alternate financial assurance within 120 days following the guarantor's notice of cancellation, submit documentation of the alternate financial assurance to the Executive Secretary for review and approval, and place copies of the documentation in the facility's operating record.

(f) If a corporate guarantor no longer meets the requirements of the corporate financial test as specified in Subsection R315-309-3(9):

(i) the owner or operator must, within 90 days, obtain alternate financial assurance; and

(ii) submit documentation of the alternate financial assurance to the Executive Secretary and place copies of this documentation in the facility's operating record.

(iii) If the owner or operator fails to provide alternate financial assurance within the 90-day period, the guarantor must provide that alternate assurance within the next 30 days.

(11) The owner or operator of a solid waste disposal facility may establish financial assurance by other mechanisms that meet the requirements of Subsection R315-309-1(1) as approved by the Executive Secretary.

(12) The owner or operator of a solid waste disposal facility may establish financial assurance by a combination of mechanisms that together meet the requirements of Subsection R315-309-1(1) as approved by the Executive Secretary. Except for the conditions specified in Subsection R315-309-3(7)(f)(iii), financial assurance mechanisms guaranteeing performance, rather than payment, may not be combined with other instruments.

R315-309-4. Discounting.

(1) The Executive Secretary may allow discounting of closure, post-closure care, or corrective action costs up to the rate of return for essentially risk free investments, net inflation.

(2) Discounting may be allowed under the following conditions:

(a) the Executive Secretary determines that cost estimates are complete and accurate and the owner or operator has submitted a statement from a professional engineer registered in the state of Utah so stating;

(b) the Executive Secretary finds the facility in compliance with all applicable Utah Solid Waste Permitting and Management Rules and in compliance with all conditions of the facility's permit issued under the rules;

(c) the executive Secretary determines that the closure date is certain and the owner or operator certifies that there are no foreseeable factors that will change the estimate of the facility life; and

(d) discounted cost estimates must be adjusted annually to reflect inflation and years of remaining facility life.

R315-309-5. Termination of Financial Assurance.

The owner or operator of a solid waste disposal facility may terminate or cancel an active financial assurance mechanism under the following conditions:

(1) if the owner or operator establishes alternate financial assurance as approved by the Executive Secretary; or

(2) if the owner or operator is released from the financial assurance requirements by the Executive Secretary after meeting the conditions and requirements of Subsections R315-302-3(7)(b) and (c) or Subsection R315-308-3(2)(c), whichever is applicable.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-312. Recycling and Composting Facility Standards.
R315-312-1. Applicability.

(1) These standards apply to any facility engaged in recycling or utilization of solid waste on the land including:

(a) composting;

(b) utilization of sewage sludge, septage and other organic wastes on land for beneficial use; and

(c) accumulation of wastes in piles for recycling or utilization.

(2) These standards do not apply to:

(a) single family residences and single family farms engaged in composting of their own solid waste;

(b) other composting operations in which waste from on-site is composted and the finished compost is used on-site;

(c) hazardous waste; or

(d) manufacturing and industrial facilities.

(3) These standards do not apply to any facility that recycles or utilizes solid wastes solely in containers, tanks, vessels, or in any enclosed building, including buy-back recycling centers.

(4) Effective dates. An existing facility recycling or composting solid waste shall be placed upon a compliance schedule to assure compliance with the requirements of Rule R315-312 on or before a date established by the Executive Secretary.

R315-312-2. Recycling and Composting Requirements.

(1) Any recycling or composting facility shall meet the requirements of Section R315-302-2, and shall submit a general plan of operation and such other information as requested by the Executive Secretary prior to the commencement of any recycling operation.

(2) Each applicable recycling or composting facility shall submit a certification that the facility has, during the past year, operated according to the submitted plan of operation to the Executive Secretary by March 1 of each year.

(3) Any facility storing materials in outdoor piles for the purpose of recycling shall be considered to be disposing of solid waste if:

(a) at least 50% of the material on hand at the beginning of a year at the facility has not been shown to have been recycled by the end of that year and any material has been on-site more than two years unless a longer period is approved by the Executive Secretary; or

(b) ground water or surface water, air, or land contamination has occurred or is likely to occur under current conditions of storage.

(c) Upon a determination by the Executive Secretary or his authorized representative that the limits of Subsection R315-312-2(3)(a) or (b) have been exceeded, the Executive Secretary may require a permit application and issuance of a permit as a solid waste disposal facility.

(4) Any recycling or composting facility may be required to provide financial assurance for clean-up and closure of the site as determined by the Executive Secretary.

(5) Tires stored in piles for the purpose of recycling at a tire recycling facility shall be subject to the requirements of Section R315-314-3.

(6) Any recycling or composting facility regulated under this rule shall not conflict with the county comprehensive solid waste management plan.

(7) Any recycling or composting facility shall comply with applicable local and state laws and rules, including environmental regulations and zoning laws.

R315-312-3. Composting Requirements.

(1) No new composting facility shall be located in the following areas:

(a) wetlands, watercourses, or floodplains; or

(b) within 500 feet of any permanent residence, school, hospital, institution, office building, restaurant, or church.

(2) Each owner or operator of a composting facility, in addition to the operational plan required in Subsection R315-312-2(1), shall develop, keep on file, and abide by a plan that addresses:

(a) detailed plans and specifications for the entire composting facility including manufacturer's performance data for equipment;

(b) methods of measuring, grinding or shredding, mixing, and proportioning input materials;

(c) a description and location of temperature and other types of monitoring equipment and the frequency of monitoring;

(d) a description of any additive material, including its origin, quantity, quality, and frequency of use;

(e) special precautions or procedures for operation during wind, heavy rain, snow, and freezing conditions;

(f) estimated composting time duration, which is the time period from initiation of the composting process to completion;

(g) for windrow systems, the windrow construction, including width, length, and height;

(h) the method of aeration, including turning frequency or mechanical aeration equipment and aeration capacity; and

(i) a description of the ultimate use for the finished compost, the method for removal from the site, and a plan for the disposal of the finished compost that can not be used in the expected manner due to poor quality or change in market conditions.

(3) Composting Facility Operation Requirements.

(a) Operational records must be maintained during the life of the facility and during the post-closure care period, which include, at a minimum, temperature data and quantity and types of material processed.

(b) All waste materials collected for the purpose of processing must be processed within two years or as provided in the plan of operation.

(c) All materials not destined for processing must be properly disposed.

(d) Turning frequency of the compost must be sufficient to maintain aerobic conditions and to produce a compost product in the desired time frame.

(e) During the composting process, the compost must maintain a temperature between 140 and 160 degrees Fahrenheit (60 and 71 degrees Celsius) for a period of not less than seven days.

(f) Hazardous waste or waste containing PCBs shall not be accepted for composting. Any facility utilizing municipal sewage treatment sludge, water treatment sludge, or septage

shall require the generator to characterize the sludge and certify that any sludge used is nonhazardous.

(g) If the composting operation will be utilizing sludge or septage or is likely to produce leachate:

(i) compost piles or windrows shall be placed upon a surface such as sealed concrete, asphalt, clay, or an artificial liner underlying the pile or windrow, to prevent subsurface soil and potential ground water contamination and to allow collection of run-off and leachate. The liner shall be designed of sufficient thickness and strength to withstand stresses imposed by compost handling vehicles and the compost itself;

(ii) run-off systems shall be designed, installed and maintained to control and collect the run-off from a 25-year storm event;

(iii) the collected leachate shall be treated in a manner approved by the Executive Secretary; and

(iv) run-on prevention systems shall be designed, constructed, and maintained to divert the maximum flow from a 25-year storm event.

(h) The finished compost must contain no sharp inorganic objects and must be sufficiently stable that it can be stored or applied to land without creating a nuisance, environmental threat, or a hazard to health.

(4) Composting Facility Closure and Post-closure Requirements.

(a) Within 30 days of closure, a composting facility shall:

(i) remove all piles, windrows, and any other compost material on the composting facility's property;

(ii) remove or revegetate compacted compost material that may be left on the land;

(iii) drain ponds or leachate collection system if any, back-fill, and assure removed contents are properly disposed;

(iv) cover if necessary; and

(v) record with the county recorder as part of the record of title, a plat and statement of fact that the property has been used as a composting facility.

(b) The post-closure care and monitoring shall be for five years and shall consist of:

(i) the maintenance of any monitoring equipment and sampling and testing schedules as required by the Executive Secretary; and

(ii) inspection and maintenance of any cover material.

R315-312-4. Requirements for Use on Land of Sewage Sludge, Woodwaste, and Other Organic Sludge.

(1) Any facility using sewage sludge, untreated woodwaste, and other organic sludge including septage on land shall comply with the recycling standards of Section R315-312-2.

(2) Only agricultural or silvicultural sites where sludge is demonstrated to have soil conditioning or fertilizer value shall be acceptable for use under this subsection, provided that the sludge or woodwaste is applied as a soil conditioner or fertilizer in accordance with accepted agricultural and silvicultural practice.

(3) A facility using organic sludge or woodwaste on the land in a manner not consistent with the requirements of this rule must meet the standards of Rule R315-307.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-314. Facility Standards for Piles Used for Storage and Treatment.
R315-314-1. Applicability.

(1) Rule R315-314 is applicable to solid waste stored or treated in piles where the solid waste, other than garbage, is in place for more than 90 days and garbage is in place for more than seven days. These standards are also applicable to storing of garbage and sludge in piles, to material derived from waste tires stored in piles, and to tire piles where more than 1000 tires are stored at one facility. The standards for waste tire piles do not apply to permitted waste disposal facilities or municipal landfills that have tire piles.

(2) Other solid wastes stored or treated in piles prior to waste recycling including compost piles of vegetative waste and wood waste are not subject to the standards of Rule R315-314.

(3) Waste piles stored in fully enclosed buildings are not subject to the standards of Rule R315-314, provided that no liquids or sludge with free liquids are added to the pile.

(4) Inert waste waste is not subject to the standards of Rule R315-314.

(5) The standards of do not apply to industrial solid waste facilities.

R315-314-2. Requirements.

(1) Each owner and operator shall:

(a) comply with the applicable requirements of Section R315-302-2; and

(b) remove all solid waste from the pile at closure to another permitted facility.

(2) Requirements for Solid Waste Likely to Produce Leachate.

(a) Waste piles shall be placed upon a surface such as sealed concrete, asphalt, clay, or an artificial liner underlying the pile to prevent subsurface soil and potential ground water contamination and to allow collection of run-off and leachate. The liner shall be designed of sufficient thickness and strength to withstand stresses imposed by pile handling vehicles and the pile itself.

(b) A run-off collection and treatment system shall be designed, installed and maintained to collect and treat a 25-year storm event.

(c) Waste piles having a capacity of greater than 10,000 cubic yards shall have either:

(i) a ground water monitoring system that complies with Rule R315-308; or

(ii) a leachate detection, collection and treatment system.

(iii) For purposes of this subsection, capacity refers to the total capacity of all leachate-generating piles at one facility, e.g., two, 5,000 cubic yard piles will subject the facility to the requirements of this subsection.

(d) A run-on prevention system shall be designed and maintained to divert the maximum flow from a 25-year storm event.

(e) The Executive Secretary may require that the entire base or liner shall be inspected for wear and integrity and repaired or replaced by removing stored wastes or otherwise providing inspection access to the base or liner; the request shall be in writing and cite the reasons including valid ground water monitoring or leachate detection data leading to request such an inspection, repair or replacement.

(3) The length of time that solid waste may be stored in piles shall not exceed 1 year unless the Executive Secretary determines that the solid waste may be stored in piles for a longer time period without becoming a threat to human health or the environment.

R315-314-3. Requirements for Waste Tire Piles.

(1) The definitions of Section R315-320-2 are applicable to the requirements for waste tire piles.

(2) The owner or operator of a tire pile facility shall:

(a) submit the following for approval by the Executive Secretary:

(i) a plan of operation as required by Subsection R315-302-2;

(ii) a plot plan of the storage site showing:

(A) the arrangement and size of the tire piles on the site;

(B) the width of the fire lanes and the type and location of the fire control equipment; and

(C) the location of any on-site buildings and the type of fencing to surround the site;

(iii) a financial assurance plan including the date that the financial assurance mechanism becomes effective; and

(iv) a vector control plan;

(b) accumulate tires only in designated areas;

(c) control access to the tire pile site by fencing;

(d) limit individual tire piles to a maximum of 5,000 square feet of continuous area in size at the base of the pile;

(e) limit the individual tire piles to 50,000 cubic feet in volume or 10 feet in height;

(f) insure that piles be at least 40 feet from the perimeter of the property and 50 feet from any building;

(g) provide for a 40 foot fire lane between tire piles;

(h) effect a vector control program, if necessary, to minimize mosquito breeding and the harborage of other vectors such as rats or other animals;

(i) provide on-site fire control equipment that is maintained in good working order;

(j) display an emergency procedures plan and inspection approval by the local fire department and require all employees to be familiar with the plan;

(k) obtain an approval or permit from the local fire department, if required, and be in compliance with all applicable environmental and zoning requirements; and

(l) establish financial assurance for clean-up and closure of the site.

(i) Financial assurance may include insurance, surety bond, trust fund, other mechanism, or combination of mechanisms as approved by the Executive Secretary.

(ii) The amount of financial assurance shall be $150 per ton of tires stored at the storage site.

(iii) Financial assurance shall be approved by the Executive Secretary and administered by the local health department in which the tire pile is located.

(3) Each tire recycler, as defined by Subsection 26-32a-103(12), that stores tires in piles prior to recycling shall comply with the following requirements:

(a) the owner or operator shall submit the information

required in Subsection R315-314-3(2)(a);

(b) the tire pile site shall be in compliance with the requirements of Subsections R315-314-3(2)(b) through (l);

(c) tires stored for recycling inside a building are not required to comply with the requirements of Subsections R315-314-3(2)(d) through (g);

(d) the amount of financial assurance required by Subsection R315-314-3(2)(l) shall be $150 per ton of tires held as the average inventory during the preceding year of operation; and

(e) recycle and move from the site at lease 75% of the tires entering the site during the calendar or fiscal year. An owner or operator not meeting this requirement will no longer be considered to be operating a storage site for recycling, and compliance with all requirements for tire piles will be required.

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19-6-108

R315. Environmental Quality, Solid and Hazardous Waste.
R315-315. Special Waste Requirements.
R315-315-1. General Requirements.

(1) If special wastes are accepted at the facility, proper provisions shall be made for handling and disposal. These provisions shall include, where required and approved by the Executive Secretary, a separate area for disposal of the wastes, designated by appropriate signs.

(2) The following wastes are prohibited from disposal at a solid waste disposal facility.

(a) Lead acid batteries must be recycled and otherwise managed in accordance with Sections 19-6-601 through 607.

(b) Used oil must be recycled and otherwise managed in accordance with Rule R315-15.

R315-315-2. Asbestos Waste.

(1) Asbestos waste shall be handled, transported, and disposed in a manner that will not permit the release of asbestos fibers into the air and must otherwise comply with Sections R307-1-4.12 and R307-1-8 and 40 CFR Part 61, Subpart M, 1995 ed.

(2) No transporter or disposal facility shall accept friable asbestos waste unless the waste has been adequately wetted and containerized.

(a) Asbestos waste is adequately wetted when its moisture content prevents fiber release.

(b) Asbestos waste is properly containerized when it is placed in double plastic bags of 6-mil or thicker, sealed in such a way to be leak-proof and air-tight, and the amount of void space or air in the bags is minimized. Asbestos waste slurries must be packaged in leak-proof and air-tight rigid containers if such slurries are too heavy for the plastic bag containers. The Executive Secretary may authorize other proper methods of containment which may include double bagging, plastic-lined cardboard containers, plastic-lined metal containers, or the use of vacuum trucks for the transport of slurry.

(c) All asbestos containers shall be labeled with the name of the waste generator, the location where the waste was generated, and tagged with a warning label indicating that the containers hold asbestos.

(3) Disposal of Asbestos Waste.

(a) Upon entering the disposal site, the transporter of the asbestos waste shall notify the landfill operator that the load contains asbestos by presenting the waste shipment record. The landfill operator will verify quantities received, sign off on the waste shipment record, and send a copy of the waste shipment record to the generator within 30 days.

(b) Upon the receipt of the asbestos waste, the landfill operator shall require that the vehicles that have transported asbestos waste be marked with warning signs as specified in 40 CFR Part 61.149(d)(1)(iii), 1995 ed., which is adopted and incorporated by reference. The operator shall also inspect the loads to verify that the asbestos waste is properly contained in leak-proof containers and labeled appropriately. The operator shall notify the local health department and the Executive Secretary if the operator believes that the asbestos waste is in a condition that may cause significant fiber release during disposal. If the wastes are not properly containerized, and the landfill operator accepts the load, the operator shall thoroughly soak the asbestos with a water spray prior to unloading, rinse out the truck, and immediately cover the wastes with non-waste material which prevents fiber release prior to compacting the waste in the landfill.

(c) During waste deposition and covering, the operator:

(i) may prepare a separate trench or separate area of the landfill to receive only asbestos waste, or may dispose of asbestos at the working face of the landfill;

(ii) shall place asbestos containers into the trench, separate area, or at the bottom of the landfill working face with sufficient care to avoid breaking the containers;

(iii) within 18 hours, shall completely cover the containerized waste with sufficient care to avoid breaking the containers with a minimum of six inches of material containing no asbestos. If the waste is improperly containerized, it must be completely covered immediately with six inches of material containing no asbestos; and

(iv) shall not compact asbestos containing material until completely covered with a minimum of six inches of material containing no asbestos.

(d) The operator shall provide barriers adequate to control public access. At a minimum, the operator shall:

(i) limit access to the asbestos management site to no more than two entrances by gates that can be locked when left unattended and by fencing adequate to restrict access by the general public; and

(ii) place warning signs at the entrances and at intervals no greater than 200 feet along the perimeter of the sections where asbestos waste is deposited that comply with the requirements of 40 CFR Part 61.154(b), 1995 ed., which is adopted and incorporated by reference; and

(e) close the separate trenches, if constructed, according to the requirements of Subsection R315-303-3(4) with the required signs in place.

R315-315-3. Ash.

(1) Ash Management.

(a) Ash may be recycled.

(b) If ash is disposed, the preferred method is in a permitted Class III ash monofill, but ash may be disposed in a permitted Class I, II, III, or V landfill.

(2) Ash shall be transported in a manner to prevent leakage or the release of fugitive dust.

(3) Ash shall be handled and disposed at the landfill in a manner to prevent fugitive dust emissions.

R315-315-4. Bulky Waste.

Bulky waste such as automobile bodies, furniture, and appliances shall be crushed and then pushed onto the working face near the bottom of the cell or into a separate disposal area.

R315-315-5. Sludge Requirements.

(1) No water treatment plant sludge, digested waste water treatment plant sludge, or septage containing free liquids may be disposed in any landfill with other solid waste.

(2) Water treatment plant sludge, digested waste water treatment plant sludge, or septage containing no free liquids may be placed at or near the bottom of the landfill working face and covered with other solid waste or other suitable cover

material.

(3) Disposal of sludge in a landfill must meet the requirements of Subsection R315-303-3(1).

R315-315-6. Dead Animals.

Dead animals received at the facility shall be deposited onto the working face at or near the bottom of the cell with other solid waste, or into a separate disposal trench provided they are covered daily with a minimum of six inches of earth to minimize odors and the propagation and harborage of rodents or insects.

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R315. Environmental Quality, Solid and Hazardous Waste. **19-6-109**
R315-317. Other Processes, Variances, and Violations. **19-6-111**
R315-317-1. Other Processes, Methods, and Equipment. **19-6-112**

Processes, methods, and equipment other than those specifically addressed in Rules R315-301 through 320 will be considered on an individual basis by the Executive Secretary upon submission of evidence of adequacy to meet the minimum standards of performance to protect human health and the environment as required in Section R315-303-2.

R315-317-2. Variances.

(1) Variances will be granted by the Board only to the extent allowed under Federal law.

(2) Any owner or operator of a solid waste facility may apply to the Board for a variance from any portion of Rules R315-301 through 320 except as specified in Subsection R315-317-2(1). The application shall be accompanied by such information as the Executive Secretary may require. All applications for a variance shall be subject to the public comment requirements of Subsection R315-311-3. The Board may grant such variance, if it finds that:

(a) the solid waste handling practices or location do not endanger public health, safety, or the environment; and

(b) the application of, or compliance with, any requirement of this rule would cause undue or unreasonable hardship to any person; and

(c) circumstances of the solid waste disposal site location, operating procedures, or other conditions indicate that the purpose and intent of this rule as well as other state and federal regulations can be achieved without strict adherence to all of the requirements.

(3) If a variance is granted by the Board under this section for a period longer than one year, the variance shall contain a timetable for coming into compliance and shall be conditioned on adherence to that timetable.

R315-317-3. Violations, Orders, and Hearings.

(1) Whenever the Executive Secretary or his duly appointed representative determines that any person is in violation of any applicable approved solid waste operation plan or permit or the requirements of Rules R315-301 through 320, the Executive Secretary may cause written notice of violation to be served upon the alleged violators. The notice shall specify the provisions of the plan, permit, or rules alleged to have been violated and the facts alleged to constitute the violation. The Executive Secretary may issue an order that necessary corrective action be taken within a reasonable time or may request the attorney general or the county attorney in the county in which the violation takes place to bring a civil action for injunctive relief and enforcement of the permit requirements or this rule.

(2) Any order issued pursuant to Subsection R315-317-3(1) shall become final unless, within 30 days after the order is served, the persons specified therein request a hearing. Title 63, Chapter 46b and Rule R315-12 shall govern the conduct of hearings before the Board.

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-320. Waste Tire Transporter and Recycler Requirements.
R315-320-1. Authority and Purpose.

(1) The waste tire transporter and recycler requirements are promulgated under the authority of the Waste Tire Recycling Act, Title 26, Chapter 32a, and the Solid and Hazardous Waste Act Title 19, Chapter 6, to protect human health; to prevent land, air and water pollution; to conserve the state's natural, economic, and energy resources; and to promote recycling of waste tires.

(2) This rule does not supersede or affect any ordinance or regulation adopted by the governing body of a political subdivision or local health department if the ordinance or regulation is at least as stringent as this rule, nor does this rule relieve a tire transporter or recycler from the requirement to meet all applicable local ordinances or regulations.

R315-320-2. Definitions.

Terms used in Rule R315-320 are defined in Sections R315-301-2 and 26-32a-103. In addition, for the purpose of this rule, the following definitions apply:

(1) "Crumb rubber" means waste tires that have been ground, shredded or otherwise reduced in size such that the material can pass through a ASTM standard 10 mesh screen.

(2) "Shredded Tires" means waste tires that have been reduced in size so that the greatest dimension of a minimum of 60 percent, by weight, of the pieces are no more than six inches and the greatest dimension of any piece is no more than 12 inches.

(3) "Ultimate product" means a product that has, as a component, waste tires or materials derived from waste tires and

(a) may have the following characteristics:

(i) has a demonstrated market;

(ii) is the last manufacturing step in a processing sequence; or

(iii) meets all of the specifications for a material that is being replaced in a processing sequence.

(b) Ultimate product includes pyrolized tires and ground rubber.

(c) Ultimate product does not include a product which, upon disposal or disassembly of the product, whole tires remain.

(4) "Vehicle identification number" means the identifying number assigned by the manufacture or by the Utah Motor Vehicle Division of the Utah Tax Commission for the purpose of identifying the vehicle.

(5) "Waste tire recycling or recycling" means the burning of waste tires or material derived from waste tires as a fuel for energy recovery or the creation of ultimate products from waste tires or material derived from waste tires.

R315-320-3. Landfilling of Waste Tires and Material Derived from Waste Tires.

(1) Landfilling of Whole Tires. Except for tires from devices moved exclusively by human power and tires with a rim diameter greater than 24.5 inches, an individual, including a waste tire transporter, may not dispose of more than four whole tires at one time in a landfill.

(2) Landfilling of Material Derived from Waste Tires. An individual, including a waste tire transporter, may dispose of material derived from waste tires in a landfill which has a permit issued by the Executive Secretary.

(3) Reimbursement for Landfilling Shredded Tires.

(a) The owner or operator of a permitted landfill may apply for reimbursement for landfilling shredded tires as specified in Subsection R315-320-6(1).

(b) To receive the reimbursement, the owner or operator of the landfill must meet the following conditions:

(i) the waste tires shall be shredded;

(ii) the shredded tires shall be stored in a segregated cell or other landfill facility that ensures the shredded tires are in a clean and accessible condition so that they may be reasonably retrieved and recycled at a future time; and

(iii) the design and operation of the landfill cell or other landfill facility has been reviewed and approved by the Executive Secretary prior to the acceptance of shredded tires.

(4) Violation of Sections R315-320-3(1) or (2) is subject to enforcement proceedings and a civil penalty as specified in Subsection 26-32a-103.5(4).

R315-320-4. Waste Tire Transporter Registration Requirements.

(1) Each waste tire transporter who transports waste tires within the state of Utah must apply for, receive and maintain a current waste tire transporter registration certificate from the Executive Secretary.

(2) Each applicant for registration as a waste tire transporter shall complete a waste tire transporter application form provided by the Executive Secretary and provide the following information:

(a) business name;

(b) address to include:

(i) mailing address; and

(ii) site address if different from mailing address;

(c) telephone number;

(d) list of vehicles used including the following:

(i) description of vehicle;

(ii) license number of vehicle;

(iii) vehicle identification number; and

(iv) name of registered owner;

(e) name of business owner;

(f) name of business operator;

(g) list of sites to which waste tires are to be transported;

(h) liability insurance information as follows:

(i) name of company issuing policy;

(ii) amount of liability insurance coverage; and

(iii) term of policy.

(3) A waste tire transporter shall demonstrate financial responsibility for bodily injury and property damage, including bodily injury and property damage to third parties caused by sudden or nonsudden accidental occurrences arising form transporting waste tires. The waste tire transporter shall have and maintain liability coverage for sudden or nonsudden accidental occurrences. The Executive Secretary may not require the liability coverage to exceed $300,000.

(4) A waste tire transporter shall notify the Executive Secretary of:

(a) any change in liability insurance coverage within 5

working days of the change; and

(b) any other change in the information provided in Subsection R315-320-4(2) within 20 days of the change.

(5) A registration certificate will be issued to an applicant following the:

(a) completion of the application required by Subsection R315-320-4(2);

(b) presentation of proof of liability coverage as required by Subsection R315-320-4(3); and

(c) payment of the fee as required by the Annual Appropriations Act.

(6) A waste tire transporter registration certificate is not transferable and shall be issued for the term of one year.

(7) If a waste tire transporter has a valid registration from any county in Utah having a waste tire transporter registration program:

(a) the Executive Secretary shall issue a non-transferable registration certificate upon the applicant meeting the requirements of Subsections R315-320-4(2) and (3) and shall not require the payment of the fee specified in the Annual Appropriations Act; and

(b) the registration certificate shall be valid for one year.

(8) Waste tire transporters storing tires in piles must meet the requirements of Rule R315-314.

R315-320-5. Waste Tire Recycler Registration.

(1) Each waste tire recycler operating within the state and each waste tire recycler operating outside the state, but requesting reimbursement allowed by Subsection 26-32a-107(1) and Section R315-320-6, must apply for, receive and maintain a current waste tire recycler registration certificate from the Executive Secretary.

(2) Each applicant for registration as a waste tire recycler shall complete a waste tire recycler application form provided by the Executive Secretary and provide the following information:

(a) business name;

(b) address to include:

(i) mailing address; and

(ii) site address if different from mailing address;

(c) telephone number;

(d) owner name;

(e) operator name;

(f) description of the recycling process;

(g) estimated number of tires to be recycled each year; and

(h) liability insurance information as follows:

(i) name of company issuing policy;

(ii) proof of the amount of liability insurance coverage; and

(iii) term of policy.

(3) A waste tire recycler shall demonstrate financial responsibility for bodily injury and property damage, including bodily injury and property damage to third parties caused by sudden or nonsudden accidental occurrences arising from storing and recycling waste tires. The waste tire recycler shall have and maintain liability coverage for sudden or nonsudden accidental occurrences. The Executive Secretary may not require the liability coverage to exceed $300,000.

(4) A waste tire recycler shall notify the Executive Secretary of:

(a) any change in liability insurance coverage within 5 working days of the change; and

(b) any other change in the information provided in Subsection R315-320-5(2) within 20 days of the change.

(5) A registration certificate will be issued to an applicant following the:

(a) completion of the application required by Subsection R315-320-5(2);

(b) presentation of proof of liability coverage as required by Subsection R315-320-5(3); and

(c) payment of the fee as required by the Annual Appropriations Act.

(6) A waste tire recycler registration certificate is not transferable and shall be issued for a term of one year.

(7) If a waste tire recycler has a valid registration from any county in Utah having a waste tire recycler registration program:

(a) the Executive Secretary shall issue a non-transferable registration certificate upon the applicant meeting the requirements of Subsections R315-320-5(2) and (3) and shall not require the payment of the fee specified in the Annual Appropriations Act; and

(b) the registration certificate shall be valid for one year.

(8) Waste tire recyclers must meet the requirements of Rule R315-312 for recycling facilities and the requirements of Rule R315-314 for waste tires stored in piles.

R315-320-6. Reimbursement for Recycling Waste Tires.

(1) As provided in Subsection 26-32a-107(1)(a), any waste tire recycler within the state may submit an application for partial reimbursement of the cost of transporting and processing the recycled waste tires to the local health department having jurisdiction over the applicant's business address.

(a) The applicant shall meet all requirements established by the local health department to regulate waste tire recycling.

(b) The application shall be filed in the form established by the local health department.

(2) Any waste tire recycler who recycles, at an out-of-state location, tires that are generated within the state, may apply for partial reimbursement to the Executive Secretary for the cost of transporting and processing the recycled tires as provided in Subsection 26-32a-107(1)(b).

(a) A waste tire recycler who requests partial reimbursement for waste tires recycled outside the state shall meet the following requirements:

(i) the recycler must be registered as required by Section R315-320-5;

(ii) the recycling site must be outside the state; and

(iii) the recycler must demonstrate that the waste tires or material derived from waste tires were generated within the State of Utah and either

(A) removed and transported by a tire transporter registered as required by Section R315-320-4 or a recycler registered as required by Section R315-320-5 or a person as defined in Subsection 26-32a-103(23)(c); or

(B) generated by a private person who is not a waste tire transporter as defined in Section 26-32a-103, and that person brings the waste tires to the recycler.

(b) A waste tire recycler who recycles Utah generated waste tires outside of the state may claim partial reimbursement for waste tires removed from tire piles subject to:

(i) the requirements of Subsections R315-320-6(2) and 26-32a-107.5;

(ii) submission of the application as required in Subsection R315-320-6(2)(c); and

(iii) the application required in Subsection R315-320-6(2)(c) may be submitted at a minimum of monthly intervals.

(c) Any waste tire recycler requesting partial reimbursement for waste tires or material derived from waste tires recycled outside the state must submit an application to the Executive Secretary on a form designated by the Executive Secretary and shall contain the following:

(i) business name;

(ii) name of owner;

(iii) name of operator;

(iv) a brief description of the recycler's business;

(v) quantity, in tons, of waste tires or tire derived material for which partial reimbursement is being claimed, accompanied by documentation of recycling;

(vi) a description of how waste tires or material derived from waste tires were recycled;

(vii) a demonstration that the requirements of Subsection 26-32a-107(4) have been met; and

(viii) a demonstration that at least 100,000 waste tires, generated within the state, will be recycled each year.

(d) Any waste tire recycler that applies for the out-of-state recycling rebate for ground rubber must show that the ground rubber has been used as a component in a product.

(3) A waste tire recycler who qualifies for partial reimbursement may waive the reimbursement and request, in writing to the Executive Secretary, that the reimbursement be paid to a person who processes the waste tires or material derived from waste tires prior to receipt of such tires or materials by the recycler.

(4) In addition to any other penalty imposed by law, any person who knowingly or intentionally provides false information required by Section R315-320-5 or Section R315-320-6 shall be ineligible to receive any reimbursement and shall return to the Division of Finance any reimbursement previously received.

R315-320-7. Responsibilities of Executive Secretary For Processing Partial Reimbursement Requests for Waste Tires Recycled Outside Utah.

(1) The Executive Secretary, upon receipt of an application for reimbursement, shall:

(a) review the application for completeness;

(b) if the application is the initial application of the recycler, conduct an on-site investigation of the recycler's operation and waste tire use; and

(c) determine whether the recycler has met the requirements of Subsection R315-320-6(2).

(2) If the Executive Secretary determines that the recycler qualifies for partial reimbursement, an application for partial reimbursement along with a brief report of the results of the investigation and a dollar amount approved for payment shall be submitted to the Division of Finance.

KEY: solid waste management, waste disposal
November 16, 1998 19-6-105

R317. Environmental Quality, Water Quality.
R317-100. Utah State Project Priority System and List for the Utah Wastewater Project Assistance Program.
R317-100-1. Incorporation by Reference.

The Fiscal Year 1999 Utah State Project Priority List, dated April 5 June 1, 1998 adopted by the Utah Water Quality Board pursuant to Section 19-5-104 and pursuant to 40 CFR 35.915, is hereby incorporated by reference and made a part of these regulations. This rule is necessary to meet requirements of Federal Water Quality Act. Copies of the Fiscal Year 1996 1999 Utah State Project Priority List are available at the Utah Department of Environmental Quality, Division of Water Quality.

R317-100-2. General.

A. The Project Priority System is used to rank municipal water pollution control projects on the Project Priority List to allocate wastewater revolving loan funds which may be available through the state and federal governments. The general criteria used in developing the State Priority System are defined in the Federal Water Pollution Control Act Amendments of 1981 and EPA regulations 40 CFR 35.2015. Criteria which may not be considered in rating projects include a project's location within the state, financial hardship, future population growth, and development needs not related to pollution abatement.

B. The objective in preparing and maintaining the list is to identify, by priority, municipalities in the State with wastewater treatment needs. The priority system is thereby intended to identify those municipalities which currently have the most severe wastewater treatment problems and to provide funds for the most beneficial program of public health protection and water quality improvement.

R317-100-3. Project Priority Ranking System.

A. PRIORITY POINT TOTAL

1. A priority number total for a project will be determined by adding the priority points from each of the four priority categories. Total Priority Points = Project Need for Reduction of Water Pollution + Potential for Improvement Factor + Existing Population Affected + Special Consideration. If two or more projects receive an equal number of priority points, such ties shall be broken using the following criteria:

a. The projects shall be ranked in order of the highest "Need for Reduction of Water Pollution."

b. If the tie cannot be broken on the basis of need, the projects shall be ranked in order of the "Potential for Improvement Factor."

c. If the tie cannot be broken on the basis of the above, the project serving the greatest population will be given priority.

B. PROJECT NEED FOR REDUCTION OF WATER POLLUTION

All projects receive the highest applicable point level only.

1. A documented existing substantial health hazard will be eliminated by the project. This may include: (1) discharge of inadequately treated wastewater to an area of immediate public contact where inadequate operation and maintenance is not the primary cause of the condition; (2) an area where a substantial number of failing subsurface disposal systems are causing surfacing sewage in areas of human habitation. The elimination of existing substantial health hazards is of highest priority. The determination of the existence of substantial health hazards shall be based upon the investigation, report, and certification of the local health department and the State Division of Water Quality. Such reports and certifications will be forwarded to EPA with the Priority List. The health hazard designation will normally apply to unsewered communities experiencing widespread septic tank failures and surfacing sewage: 70 points.

2. A raw sewage discharge will be eliminated or prevented: 60 points.

3. The surface water quality standards identified in R317-2 are impaired by an existing discharge. For points to be allotted under this criterion the affected stream segment must be "water quality limited" according to a wasteload analysis and water quality standards. Water quality standards have been established for the waters of Utah according to designated beneficial use classifications. A stream segment is considered to be "water quality limited" if a higher level of treatment than that which is provided by state effluent limitations is required to meet water quality standards. A stream segment is "effluent limited" if water quality standards are met by state imposed effluent limitations: 50 points.

4. The ground water quality standards identified in R317-6 are impaired by an existing discharge. For points to be allotted under this criterion the affected ground water must be impaired according to the numerical criteria outlined in the ground water protection levels established for Class I and II aquifers: 50 points.

5. Construction is needed to provide secondary treatment, or to meet the requirements of a Utah Pollution Discharge Elimination System (UPDES) Permit or Ground Water Discharge Permit, or the Federal Sludge Disposal Requirements: 50 points.

6. Documented water quality degradation is occurring, attributable to failing individual subsurface disposal systems where inadequate operation and maintenance is not the primary cause of the condition: 45 points.

7. Areas not qualifying as an existing substantial health hazard, but where it is evident that inadequate on-site conditions have resulted in the chronic failure of a significant number of individual subsurface disposal systems, causing an ongoing threat to public health or the environment. Points may be awarded in this category only when the Division of Water Quality determines that existing on-site limitations cannot be overcome through the use of approved subsurface disposal practices, or that the cost of upgrading or replacing failed systems to meet the minimum requirements of the local health department are determined to be excessive: 45 points.

8. Treatment plant loading has reached or exceeded 95 percent of design requirements needed to meet conditions of an UPDES Permit or needed to restore designated water use, or design requirements are projected to be exceeded within 5 years by the Division of Water Quality. Points will not be allocated under this criterion where excessive infiltration or inflow is the primary cause for the loading to the system to be at 95 percent or greater of design requirements: 40 points.

9. Existing facilities do not meet the design requirements in R317-3. Points may be allocated under this category only if

the design requirements that are not being met are determined to be fundamental to the ability of the facility to meet water quality standards: 40 points.

10. Interceptor sewers, collection systems, pump stations and treatment, where applicable, are needed to solve existing pollution, ground water, or public health concerns: 35 points.

a. Points may be awarded under this category only if they will primarily serve established residential areas and only if they are needed to solve existing pollution or public health problems.

b. Points shall not be awarded under this category where an interceptor is proposed for newly developing recreational communities, resorts, or unincorporated subdivisions.

c. Points may be awarded under this category when the majority of existing septic systems are located in defined well head protection zones or principal ground water recharge areas to Class I and II aquifers.

11. Interceptor sewers, collection systems, pump stations and treatment, where applicable, are needed to accomplish regionalization or eliminate existing treatment facilities. Points shall not be awarded under this category where an interceptor is proposed for newly developing recreational communities, resorts, or unincorporated subdivisions: 25 points.

12. Communities having future needs for wastewater facilities construction at existing wastewater systems, not included above, which are consistent with the goals of the Federal Water Pollution Control Act: 10 points.

13. Communities having future needs for new treatment plants and interceptors, not included above, which are consistent with the goals of the Federal Water Pollution Control Act: 5 points.

C. POTENTIAL FOR IMPROVEMENT FACTOR (PIF)

The PIF priority point sub-total is obtained by adding the points obtained in each of the four subcategories. Total PIF points = Classified Water Use + Discharge Standard Factor + Restoration from Water Quality Standard Violation + Estimated Improvement.

1. Classified Water Use. Priority points under this subcategory are allotted in accordance with segment designations listed in R317-2-13, Classifications of Waters of the State. Points are cumulative for segments classified for more than one beneficial use.

a. Protected as a raw water source of culinary water supply; R317-2-13 Use Classes: 1A, 1B, or 1C: 4 points.

b. Protected for primary contact recreation (swimming); R317-2-13: 2A: 4 points.

c. Protected for secondary contact recreation (water skiing, boating and similar uses); R317-2-13: 2B: 3 points.

d. Protected for cold water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain; R317-2-13: 3A: 3 points.

e. Protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in the food chain; R317-2-13: 3B: 3 points.

f. Protected for non-game fish and other aquatic life, including the necessary aquatic organisms in their food chain; R317-2-13: 3C: 2 points.

g. Protected for waterfowl, shore birds and other water-oriented wildlife not included above, including the necessary aquatic organisms in their food chain; R317-2-13: 3D: 2 points.

h. Protected for agricultural, industrial, and "special" uses; R317-2-13: 4, 5, and 6: 1 point.

2. Discharge Standard Factor. Priority points are allotted as follows:

a. Project discharge standards are water quality based: 5 points.

b. Project must meet secondary effluent treatment standards: 2 points.

c. Project does not discharge to surface waters: 0 points.

3. Restoration from Water Quality Standard Violation.

a. Project WILL RESTORE Designated Water Use: 5 points.

b. Project WILL NOT RESTORE Designated Water Use: 0 points.

c. Points under this subcategory are assigned on the basis of whether appropriate water quality standard(s) can be restored if the respective project is constructed and any other water quality management controls are maintained at present levels. For a project to receive points under this subcategory, data from a State-approved waste load analysis must generally show that the designated water use is substantially impaired by the wastewater discharge and that the proposed project will likely restore the numerical water quality standards and designated use(s) identified in R317-2-12 and R317-2-14 for the waterbody.

d. Points may not be assigned under this subcategory if nonpoint source pollution levels negate water quality improvement from the proposed construction, if numerical standards or actual levels of pollutants being discharged are questionable, if serious consideration is being given to the redesignation of the stream segment to a lower classification, or if numerical standards for specific pollutants are inappropriately low for the classified water use.

4. Estimated Improvement in Stream Quality or Estimated Improvement in Environmental Quality including Presently Unsewered Communities and Sewered Communities with Raw Sewage Discharges. Points in this category shall be allocated based upon the judgment of the Division of Water Quality Staff and on the nature of the receiving water and surrounding watershed. Consideration shall be given to projects which discharge into Utah priority stream segments as identified in the biennial water quality report (305(b)). The criteria used to develop the Stream Segment Priority List may be used to evaluate projects on other streams not on the Stream Segment Priority List. These criteria include the existing use impairment, the overall index from a use impairment analysis, the potential for use impairment, the downstream use affected, the population affected, the amount of local interest and involvement toward improving the stream quality, the presence of endangered species, and the beneficial use classification. Activities within the watershed that are aimed at reducing point and nonpoint sources of pollution may also be considered in the allocation of points. In addition, the effect of a discharge or proposed change in a discharge on the chemical and biological quality of the receiving stream may be considered in the determination of points. Only those projects which will significantly improve water quality or environmental quality and will restore or protect the designated uses or eliminate public health hazards

shall be given the maximum points allowable. Fewer points can be given in instances where some significant improvement will be achieved if a project is constructed.

a. The project is essential immediately, and must be constructed to protect public health or attain a high, measurable improvement in water quality: 20 points.

b. The project will likely result in a substantial level of improvement in water quality or public health protection: 10 points.

c. Some level of water quality improvement or public health protection would likely be provided by the construction of the project, but the effect has not yet been well established. Also, present facilities lack unit processes needed to meet required discharge standards: 5 points.

d. No significant improvement of water quality or public health protection would likely be achieved, at present, by a project: 0 points.

D. EXISTING POPULATION AFFECTED

For sewered communities, priority points are based on the population served by a treatment facility. For unsewered areas, points are based on the population of the affected community.

1. Greater than 80,000: 10 points.
2. 40,000 - 80,000: 9 points.
3. 20,000 - 40,000: 8 points.
4. 10,000 - 20,000: 7 points.
5. 5,000 - 10,000: 6 points.
6. 4,000 - 5,000: 5 points.
7. 3,000 - 4,000: 4 points.
8. 2,000 - 3,000: 3 points.
9. 1,000 - 2,000: 2 points.
10. Less than 1,000: 1 point.

E. SPECIAL CONSIDERATION

1. The proposed project is an interceptor sewer which is part of a larger regional plan and is necessary to maintain the financial, environmental or engineering integrity of that regionalization plan: 20 points, or

2. The project is needed to preserve high quality waters such as prime cold water fishery and anti-degradation segments: 20 points.

3. The proposed project will change the facility's sludge disposal practice from a non-beneficial use to a beneficial use method: 20 points.

4. The users of the proposed project are subject to a documented water conservation plan: 20 points.

5. The sponsor of the proposed project has completed and submitted the most recent Municipal Wastewater Planning Program (MWPP) questionnaire: 20 points.

KEY: grants, state assisted loans, wastewater
November 9, 1998 19-5
Notice of Continuation December 12, 1997 19-5-104
40 CFR 35.915 and 40 CFR 35.2015

R331. Financial Institutions, Administration.
R331-22. Rule Governing Reimbursement of Costs of Financial Institutions for Production of Records.
R331-22-1. Authority, Scope, and Purpose.

(1) This rule is issued pursuant to Sections 7-1-301(6) and 78-27-48.

(2) This rule applies to both federal and state chartered financial institutions.

(3) The purpose of this rule is to set consistent and reasonable rates of reimbursement for costs to financial institutions for their production of records.

R331-22-2. Definitions.

(1) "Financial institutions" means "financial institutions" as defined in Section 7-1-103(10).

(2) "Financial record" means an original of, a copy of, or information known to have been derived from, any record held by a financial institution pertaining to a customer's relationship with the financial institution.

(3) "Party" shall mean an individual, corporation, partnership, trust, association, joint venture, pool, syndicate, sole proprietorship, unincorporated organization or any form of business entity. Party also includes any authorized representative of that party who utilized or is utilizing any service of a financial institution, or for whom a financial institution is acting or has acted as a fiduciary, in relation to an account maintained in the party's name.

(4) "Direct incurred costs" means costs incurred solely and necessarily as a consequence of searching for, reproducing or transporting books, papers, records, or other data in order to comply with legal process or a formal written request or a party's authorization to produce a party's financial records. The term does not include any allocation of fixed costs including overhead, equipment, and depreciation. If a financial institution has financial records that are stored in an independent storage facility that charges a fee to search for, reproduce, or transport particular records requested, these costs are considered to be directly incurred by the financial institution.

R331-22-3. Costs Reimbursement.

As hereinafter provided, a party requiring or requesting access to financial records pertaining to a party shall pay to the financial institution that assembles or provides the financial records a fee for reimbursement of reasonably necessary costs which have been directly incurred according to the following schedule:

(1) Search and processing costs.

(a) Manual Search and Processing Cost. Reimbursement of search and processing costs shall be the total amount of direct personnel time spent in locating and retrieving, reproducing, packaging and preparing financial records for shipment. The rate for search and processing costs is $11.00 per hour per clerical/technical person and $17.00 per hour per manager/supervisory person, computed per quarter hour and is limited to the total amount of actual time spent in locating and retrieving documents or information or reproducing or packaging and preparing documents for shipment which were required or requested by a party. If less than a quarter hour is spent, the minimum charge shall be for a quarter hour.

(b) Data Processing Search and Processing Cost. Search and processing costs reflecting the actual costs of extracting information stored by computer in the format in which it is normally produced, based on computer time and necessary supplies will be charged. Personnel time for computer search shall be paid for only at the rates specified in this section.

(2) Reproduction costs. Reimbursement for reproduction costs shall be the costs incurred in making the copies of documents required or requested. The rate for reproduction costs for making copies of required or requested documents is 25 cents for each page, including copies produced by reader/printer reproduction process, photographs and films. Duplicate microfiche is 50 cents per microfiche and computer diskette is $5.00 per diskette. Other materials are reimbursed at actual costs.

(3) Transportation costs. Reimbursement for transportation costs shall be for reasonably necessary costs directly incurred to transport personnel to locate and retrieve the information required or requested and necessary costs directly incurred solely by the need to convey the required or requested material to the place of examination.

R331-22-4. Conditions for Payment.

(1) Limitations. Payment for reasonably necessary, directly incurred costs to financial institutions shall be limited to material required or requested.

(2) Separate consideration for component costs. Payment shall be made only for costs that are both directly incurred and reasonably necessary. In determining whether costs are reasonably necessary, search and processing, reproduction and transportation costs shall be considered separately.

(3) Compliance with legal process, requests, or authorization. No payment shall be made until the financial institution satisfactorily complies with the legal process or formal written request, or party authorization, except that in the case where the legal process or formal written request is withdrawn, or the party authorization is revoked, the financial institution shall be reimbursed for reasonably necessary costs directly incurred in the assembling of financial records required or requested to be produced prior to the time that the financial institution is notified that the legal process or request is withdrawn or defeated or that the party has revoked his or her authorization.

(4) Itemized bill or invoice. No payment shall be made unless the financial institution submits an itemized bill or invoice showing specific details concerning the search and processing, reproduction and transportation costs.

KEY: financial institutions, costs
November 17, 1998 7-1-301(6)
Notice of Continuation April 29, 1997 78-27-48

R331. Financial Institutions, Administration.
R331-24. Accounting for Accrued Uncollected Income by Banks and Industrial Loan Corporations.
R331-24-1. Authority, Scope, and Purpose.

(1) This rule is issued pursuant to Section 7-1-301(14).

(2) This rule applies to all state chartered banks and industrial loan corporations.

(3) The purpose of this rule is to establish accounting requirements for accrued uncollected income to help ensure accurate accounting of the income of banks and industrial loan corporations.

R331-24-2. Definitions.

(1) "Accrual basis of accounting" means the accounting method in which expenses are recorded when incurred, whether paid or unpaid, and income is recorded when earned, whether or not received.

(2) "Business credit card" means a credit card extended to a person for business purposes with a sponsoring company directly or indirectly obligated for payment of any advances.

(3) "Commissioner" means the Commissioner of Financial Institutions.

(4) "Consumer loan" means credit extended for household, family, and personal expenditures, including credit cards, and loans secured by one to four-family residential properties.

(5)(a) "Contractual commitment to advance funds" means:

(i) an obligation on the part of the bank or industrial loan corporation to make payments to a third party contingent upon default by the bank's or industrial loan corporation's customer in the performance of an obligation under the terms of that customer's contract with the third party or upon some other stated condition, or

(ii) an obligation to guarantee or stand as surety for the benefit of a third party.

(b) The term includes standby letters of credit, guarantees, puts, and other similar arrangements. A binding, written commitment to lend is a "contractual commitment to advance funds" if it and all other outstanding loans to the borrower are within the bank's or industrial loan corporation's lending limit on the date of the commitment.

(6) "In process of collection" means collection of the debt is proceeding in due course either through legal action, including judgment enforcement procedures, or, in appropriate circumstances, through collection efforts not involving legal action which are reasonably expected to result in repayment of the debt or in its restoration to a current status in the near future.

(7) "Loans and extensions of credit" means any direct or indirect advance of funds in any manner whatsoever to a person. This is made on the basis of any obligation of that person to repay the funds, or repayable from specific property pledged by or on behalf of a person. Loans and extensions of credit includes:

(a) A purchase under repurchase agreement of securities, other assets, or obligations other than investment grade securities in which the purchasing bank or industrial loan corporation has a perfected security interest with regard to the seller but not as an obligation of the underlying obligor of the security;

(b) An advance by means of an overdraft, cash item, or otherwise;

(c) A contractual commitment to advance funds;

(d) An acquisition by discount, purchase, exchange, or otherwise of any note, draft, or other evidence of indebtedness upon which a person may be liable as maker, drawer, endorser, guarantor, or surety;

(e) A participation without recourse with regard to the participating bank or industrial loan corporation, but not the originating bank or industrial loan corporation; and

(f) Existing loans, leases, or advances which have been charged off on the books of the bank or industrial loan corporation in whole or in part and which is legally enforceable, including statutory bad debt under Section 7-3-25 or 7-8-15 respectively.

(8) "Loans or extensions of credit" does not include:

(a) A receipt by a bank or an industrial loan corporation of a check deposited in or delivered to the bank or industrial loan corporation in the usual course of business, unless it results in the carrying of a cash item for the granting of an overdraft, other than an inadvertent overdraft in a limited amount that is promptly repaid;

(b) An acquisition of a note, draft, bill of exchange, or other evidence of indebtedness through a merger or consolidation of financial institutions or a similar transaction by which an institution acquires assets and assumes liabilities of another institution, or foreclosure on collateral or similar proceeding for the protection of the bank or industrial loan corporation, provided that the indebtedness is not held for a period of more than three years from the date of the acquisition, unless permission to extend the period is granted by the commissioner on the basis that holding the indebtedness beyond three years is not detrimental to the safety and soundness of the acquiring bank or industrial loan corporation;

(c) An endorsement or guarantee for the protection of a bank or industrial loan corporation of any loan or other asset previously acquired by the bank or industrial loan corporation in good faith, or any indebtedness to a bank or industrial loan corporation for the purpose of protecting the bank or industrial loan corporation against loss or of giving financial assistance to it;

(d) Non-interest bearing deposits to the credit of the bank or industrial loan corporation;

(e) The giving of immediate credit to a bank or industrial loan corporation upon uncollected items received in the ordinary course of business;

(f) The purchase of investment grade securities subject to repurchase agreement in which the purchasing bank or industrial loan corporation has a perfected security interest, or where the securities are purchased from the state or any political subdivision thereof;

(g) The sale of federal funds; or

(h) Loans or extensions of credit which have become unenforceable by reason of discharge in bankruptcy or are no longer legally enforceable for other reasons.

(9) "Standby letter of credit" means any letter of credit, or similar arrangement however named or described, that represents an obligation to the beneficiary on the part of the issuer:

(a) To repay money borrowed by or advanced to or for the

account of the account party; or

(b) To make payment on account of any indebtedness undertaken by the account party; or

(c) To make payment on account of any default by the account party in the performance of an obligation.

(10) "Well-secured" means a debt that is secured by:

(a) Collateral in the form of liens on or pledges of real or personal property, including securities, that have a realizable value sufficient to discharge the debt in full, including accrued interest; or

(b) The guarantee of a financially responsible party.

R331-24-3. Accounting for Accrued Uncollected Income.

(1) General Rule:

A bank or industrial loan corporation that uses the accrual basis of accounting to prepare its financial statements shall, at each regularly scheduled board meeting, review all earned but uncollected income and determine the portion of it that is uncollectible. This determination shall be in accordance with generally accepted accounting principles. At a minimum, the following events should stop the accrual of income:

(a) The accrual of interest income shall cease when any loan or extension of credit is contractually 90 days delinquent.

(i) For a monthly installment account, four payments delinquent is the equivalent of 90 days delinquent.

(ii) For a single-payment commercial account that calls for interest-only payments prior to maturity, the 90-day period commences with the interest-only due date.

(b) No further income may be recognized for a precomputed loan, lease, or discounted contract when it becomes 90 days delinquent.

(c) In restructuring a loan or extension of credit, a bank or industrial loan corporation may only capitalize or add to the new principal balance up to 90 days' interest, unless the board of directors specifically approves otherwise in writing at its next regularly scheduled meeting. If, at that meeting, the board fails to approve the capitalization of additional interest, the loan or extension of credit is considered to be more than 90 days delinquent, and the accrual of interest income shall cease.

(2) Exemptions:

Subsection (1) does not limit the accrual of interest income:

(a) for any consumer loan that is in the process of collection;

(b) for any business credit card balance that is in the process of collection;

(c) for loans or other debt instruments acquired at a discount (because there is uncertainty as to the amounts or timing of future cash flow) from an unaffiliated third party (such as another institution or the receiver of a failed institution), including those that the seller had maintained in nonaccrual status, and that met the amortization criteria specified in the AICPA Bulletin No. 6.

(d) for loans secured by a 1-to-4 family residential property. Nevertheless, such loans should be subject to other alternative methods of evaluation to assure the financial institution's net income is not materially overstated.

(e) for any other loan or lease that is both well-secured and in the process of collection;

(f) to the extent the commissioner provides an additional exemption from Subsection (1) by express, prior, written approval;

(3) Notwithstanding this rule, all extensions of credit are subject to Sections 7-3-25 and 7-8-15.

R331-24-4. Penalty for Violation.

Failure of management and the board of directors to make the review and determinations required by this rule, in good faith and in accordance with generally accepted accounting principles, constitutes grounds for supervisory sanction under Sections 7-1-307 and 7-1-308.

KEY: financial institutions
November 3, 1998 7-1-301(14)
Notice of Continuation September 10, 1998

R460. Housing Finance Agency, Administration.
R460-8. Americans with Disabilities Act (ADA) Complaint Procedures.
R460-8-1. Authority and Purpose.

(1) The agency, pursuant to 28 CFR 35.107 adopts and publishes within this rule, complaint procedures providing for prompt and equitable resolution of complaints filed according to Title II of the Americans With Disabilities Act.

(2) The provision of 28 CFR 35 implements the provisions of Title II of the Americans With Disabilities Act, 42 U.S.C. 12201, which provides that no qualified individual with a disability, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by this or any such entity.

R460-8-2. Filing of Complaints.

(1) The complaint shall be filed timely to assure prompt, effective assessment and consideration of the facts, but no later than 60 days from the date of the alleged act of discrimination.

(2) The complaint shall be filed with the agency's ADA coordinator in writing or in another accessible format suitable to the complainant.

(3) Each complaint shall include the following:

(a) the complainant's name and mailing address;

(b) the nature and extent of the complainant's disability;

(c) a description of the agency's alleged discriminatory action in sufficient detail to inform the agency of the nature and date of the alleged violation;

(d) a description of the action and accommodation desired; and

(e) a signature of the complainant or by his or her legal representative.

(4) Complaints filed on behalf of classes or third parties shall describe or identify by name, if possible, the alleged victims of discrimination.

R460-8-3. Investigation of Complaint.

(1) The ADA coordinator shall investigate each complaint received. The investigation shall be conducted to the extent necessary to assure all relevant facts are determined and documented. This may include gathering all information listed in R460-8-2(3) if it is not made available by the complainant.

(2) When conducting the investigation, the ADA coordinator may seek assistance from the agency's legal counsel and human resource staff in determining what action, if any, shall be taken on the complaint. The coordinator will consult with the executive director and the ADA state coordinating committee before making any decision that would involve any of the following:

(a) an expenditure of funds;

(b) facility modifications; or

(c) modification of an employment classification.

R460-8-4. Issuance of Decision.

(1) Within 45 days after receiving the complaint, the ADA coordinator shall issue a decision outlining in writing or in another suitable format stating what action, if any, shall be taken on the complaint.

(2) If the ADA coordinator is unable to reach a decision within the 45 day period, he shall notify the complainant in writing or by another suitable format why the decision is being delayed and what additional time is needed to reach a decision.

R460-8-5. Appeals.

(1) The complainant may appeal the decision of the ADA coordinator by filing an appeal within five working days from the receipt of the decision.

(2) The appeal shall be filed in writing with the executive director or a designee other than the ADA coordinator.

(3) The filing of an appeal shall be considered as authorization by the complainant to allow review of all information, including information classified as private or controlled, by the executive director or designee.

(4) The appeal shall describe in sufficient detail why the ADA coordinator's decision is in error, is incomplete or ambiguous, is not supported by the evidence, or is otherwise improper.

(5) The executive director or designee shall review the factual findings of the investigation and the complainant's statement regarding the inappropriateness of the ADA coordinator's decision and arrive at an independent conclusion and recommendation. Additional investigations may be conducted if necessary to clarify questions of fact before arriving at an independent conclusion. The executive director may consult with the state ADA coordinating committee before making any decision that would involve any of the following:

(a) an expenditure of funds;

(b) facility modifications; or

(c) modification of an employment classification.

(6) The decision shall be issued within 45 days after receiving the appeal and shall be in writing or in another suitable format to the individual.

(7) If the executive director or his designee is unable to reach a decision within the 45 day period, he shall notify the complainant in writing or by another suitable format why the decision is being delayed and the additional time needed to reach a decision.

R460-8-6. Classification of Records.

The record of each complaint and appeal, and all written records produced or received as part of such actions, shall be classified as protected as defined under Section 63-2-304 until the ADA coordinator, executive director or their designees issue the decision at which time any portions of the record that may pertain to the individual's medical condition shall remain classified as private as defined under Section 63-2-302 or controlled as defined in Section 63-2-303. All other information gathered as part of the complaint record shall be classified as private information. Only the written decision of the ADA coordinator, executive director of designees shall be classified as public information.

R460-8-7. Relationship to Other Laws.

This rule does not prohibit or limit the use of remedies available to individuals under the State Anti-Discrimination Complaint Procedures Section (67-19-32); the Federal ADA Complaint Procedures (28 CFR Subpart F, beginning with Part

35.170, 1991 edition); or any other Utah or federal law that provides equal or greater protection for the rights of individuals with disabilities.

KEY: housing finance
1993 9-4-910
Notice of Continuation November 10, 1998

R501. Human Services, Administration, Administrative Services, Licensing.

R501-1. General Provisions.

R501-1-1. Definition.

The general provisions are the procedures for the administration and issuance of a license.

A. Legal Authority

1. The Utah State Department of Human Services, hereinafter referred to as DHS, does hereby adopt and promulgate the following rules governing licensure of human service programs in accordance with 62A-2-101 through 62A-2-121.

2. This act provides for issuance of a license by DHS, Office of Licensing, hereinafter referred to as Office, upon compliance with the Rules, which include General Provisions, Core, Categorical and single service Rules.

B. Purpose

1. The purpose of licensing under these rules is to authorize a public or private agency or a home to provide a defined human service program. The license designates that the program has the ability to provide the service.

2. A license indicates that the governing body of the program has demonstrated or has provided assurance that services shall be provided in accordance with these rules.

R501-1-2. License Procedure.

A. Application

A program seeking an initial or renewal license shall make application on forms provided by the Office.

B. The licensure fee, as determined by the Utah State Legislature, shall be submitted.

C. A program seeking a license to provide direct service to minors or vulnerable adults shall submit identifying information to the Office for a criminal background screening in accordance with 62A-4a-413 and 62A-2-120, and abuse and neglect background screening in accordance with 62A-3-311.1 and 62A-2-121.

D. Review

1. Each initial or renewal applicant shall permit a representative or representatives of the Office to conduct an on-site review of the physical facility, program operation, consumer records, and to interview staff and consumers to determine compliance.

2. Annually an on-site review shall be carried out by a designated representative or representatives of the Office by appointment, as pre-arranged with the program.

3. The findings shall be shared with the program at the conclusion of the review. A written report will be filed in the Office by the representative.

4. If the report indicates non-compliance with Rules, the Office and the program shall develop a written plan of action to achieve compliance with the Rules.

R501-1-3. Types of License.

A. Annual License

1. The Office shall issue an annual license after determination has been made that the applicant is in compliance with the Rules of the Office.

2. The license shall state name and address of the program facility, category of service, maximum consumer capacity when appropriate, and period during which license is in effect.

3. The license shall be posted in a conspicuous place on the premises.

4. A license is automatically void if there is any change in the ownership, management, or address of the program.

B. Renewal License

A license must be renewed annually, upon application and payment of applicable fee, providing the Office finds that the service program and facility has complied with Rules of the Office.

C. License Extension

1. A license may be extended by the Office for a designated period of time not to exceed twelve months.

2. The Office shall state in writing the terms of the extension in a letter to the program.

D. Conditional License

1. The Office may issue a conditional license for the following:

a. a new conditional program which is temporarily unable to comply with Rules, or

b. due cause.

2. The non-compliance or violation shall not present an immediate threat to the health or safety of the consumer.

3. The duration of the conditional license shall be determined by the Office.

4. The Office shall identify in writing the specific areas of non-compliance including a timetable for resolution.

E. Accreditation

1. The Office may accept accreditation by a nationally recognized organization, e.g., Joint Commission on Accreditation of Health Care Organizations, Commission on Accreditation of Rehabilitation Facilities, as compliance with these Rules for licensure.

2. The standards of the reciprocal organization shall fulfill the intent of these Rules.

3. The program shall request reciprocity in writing.

4. The reciprocity agreement will be formalized by written agreement, signed by the Program Director, Office Director and Division Director if appropriate.

5. The Office may conduct periodic on-site reviews and respond to any consumer complaint or concern of a program licensed through reciprocity.

R501-1-4. Monitoring.

A. Office staff shall investigate reports of unlicensed programs and attempt to license all who require a license by statute. If the program fails to become licensed, a notice of the violation shall be referred to the Offices of the Attorney General and the appropriate County Attorney.

B. Office staff shall investigate complaints regarding a licensed program.

C. Unannounced visits may be conducted at any time, and if an unannounced visit indicates non-compliance or a license violation, the Office and the shall develop a written plan of action to achieve compliance or correct the violation. If the violation is a threat to the health or safety of consumers, a license sanction may be immediate.

R501-1-5. Corrective Action Plan for Non-Compliance With Rules.

A. If an evaluation indicates non-compliance with Rules of the Office, the program and Office staff shall develop a plan of action to achieve compliance while continuing to care for minors or adults.

B. The plan of action shall include the following:

1. a statement of each violation,

2. a method and date for resolution, and

3. all plans of action shall be documented in writing and signed by the appropriate program staff.

C. Technical assistance shall be offered to assist a program to comply with a plan of action.

D. If a program fails or refuses to comply with the plan of action, a Notice of Agency Action shall be sent to the program from the Office.

E. If the program fails or refuses to meet requirements or the Notice of Agency Action, the license may be suspended or revoked.

F. Directors of programs shall be required to post the Notice of Agency Action indicating the violation of Rules. This shall be posted in a conspicuous place for review by consumers or parents or guardians of consumers. The plan of action shall be reviewed by Office staff. When compliance is achieved, it shall be recorded in the program's record. A letter showing compliance shall be sent to the program to post for review by consumers or parents or guardians of consumers.

R501-1-6. License Violation.

A. When a program violates the terms of the license, the Office, with notification to the appropriate Division, may deny, condition, suspend, or revoke a license for the following:

1. violation of the Rules of the Office,

2. conduct in the provision of service that is or may be harmful to the health or safety of persons receiving services, or

3. exercise of professional judgment of license specialist in coordination with Office Director.

B. Sanctions

1. Denial: The Office shall give written notice of the denial of an initial or renewal application within 30 days of the date of decision. The notice shall contain a statement of the basis of the denial and shall inform the applicant of the right to request an administrative hearing as provided by DHS policy. The applicant must make written request to the Office Director for a hearing within ten days of the receipt of the Notice of Agency Action.

2. Conditional: The Office shall give written Notice of Agency Action of the conditional status of an existing license. The notice shall contain statement of cause for action and shall inform licensee of the right to an administrative hearing for appeal.

a. A conditional status allows a program to continue operation, if there is no immediate threat to the health or safety of consumers.

b. The duration of the conditional status shall be determined by the Office. The period shall allow sufficient time for correction of the noted deficiencies and the completion of an investigation of abuse or neglect.

3. Suspension: The Office shall give written Notice of Agency Action of a suspension of an existing license. The notice shall contain a statement of cause for action and shall inform the licensee of the right to an administrative hearing or appeal. A suspension of a license prohibits the operation of the program and State payment for consumers.

a. The duration of the suspension shall be determined by the Office. The suspension period shall allow sufficient time for correction of the noted deficiencies or the completion of an investigation.

b. A license may be suspended a maximum of two times. A third time violation of rules of the Office, which would normally result in a suspension will result in revocation.

c. The suspension shall be in force until an administrative hearing has been conducted and a final decision has been made, or the program has complied with issues leading to suspension.

4. Revocation: The Office shall give written Notice of Agency Action of a revocation of an existing license. The notice shall contain a statement of cause for action and shall inform the licensee of the right to a hearing or appeal.

a. A revocation of a license prohibits the operation of the program. The revocation shall be final.

b. The program will be allowed to apply for a new license, after a minimum of one year. However, after two revocations, an application for a license shall not be considered.

C. The sanctions may be one of the following:

1. Prospective: A licensee whose license may be suspended or revoked, shall receive written Notice of Agency Action at least 30 days before the effective action of such suspension or revocation. The notice of suspension or revocation shall state the basis for action.

a. The licensee shall meet the requirements set forth in the notice, or the suspension or revocation shall automatically become final. The notice shall also advise the licensee of the right to an administrative hearing.

b. DHS shall not place any consumer in a facility which has been notified of prospective suspension or revocation.

2. Immediate: If the Office Director finds that the health or safety of the consumers so require, the immediate suspension or revocation of a license shall be ordered. The Notice of Agency Action shall contain a statement of the basis for the order and shall inform licensee of the right to an administrative hearing. The final decision to suspend or revoke a license shall be made by the Office Director with notification to the appropriate Division.

D. Notice: All written Notices of Agency Action shall be sent by certified mail or hand delivered to the address shown on the license or application.

R501-1-7. Program Appeal.

A. Request for Hearing: A licensee whose license is being denied, suspended or revoked may request an informal administrative hearing. The request must be in writing, contain a statement of the problem, and be sent to the Office Director within ten days of the report of the adverse action. The Office will follow the procedure for program hearings according to Utah Administrative Practice Act in accordance with DHS policy.

B. A hearing shall be conducted by the Office Director when the Office staff has initiated the cause for action.

C. Grievances: If the licensee has other grievances that result in a written request for a hearing not related to suspension, revocation, or denial of a license, but which are related to the operation of the program, the request should be for a conference with the Office Director.

R501-1-8. Variances.

A variance is an authorized deviation from the specifics of a Rule.

A. The Office Director, or designee, may grant a variance to rules of the Office, if it is in the best interests of the consumer and maintains basic health and safety requirements with notice to the appropriate Division.

B. The licensee must submit a written request for a variance, describing the method of fulfilling the intent of the Rules of the Office to maintain the health and safety of the consumer.

C. The Office shall notify the licensee of the approval or denial of the conditions of the variance, in writing, within 30 days.

D. The Office shall maintain a record, and submit a copy to the appropriate Division.

R501-1-9. Allegations of Abuse or Neglect.

When allegations of abuse, neglect, or exploitation, pursuant to Sections 62A-4a-413, 62A-3-311.1, or 62A-2-120,121, of the Utah Code are made against a program, the following shall apply:

A. Office staff shall immediately notify the appropriate investigative agency, according to the Abuse and Neglect Reporting Requirements.

B. During the investigation the Office staff may, after consultation with the Director or designee, place a license on conditional status.

1. The Office staff shall inform the program with a written Notice of Agency Action.

2. The notice shall include the following:

a. a statement that the license will be placed on conditional status during the investigation of abuse, neglect, or exploitation, and

b. a statement of cause for conditional status and a plan of corrective action for the program.

3. The Notice of Agency Action shall be sent by certified mail or hand delivered.

4. A copy of the Notice of Agency Action shall be sent to the appropriate Division representative.

C. When notified of the results of the investigation by the investigating agency, the Office staff shall take the following action:

1. If substantiated, the license may be suspended or revoked.

2. If unsubstantiated, the license shall return to its former status.

KEY: licensing, human services
October 16, 1998 62A-2-101 et seq.
Notice of Continuation September 2, 1997

R501. Human Services, Administration, Administrative Services, Licensing.
R501-2. Core Standards.
R501-2-1. Definition.

Core Standards are the license requirements for Human Service Programs, as listed in R501-2-14. Where there is duplication of review by another oversight agency, the Office of Licensing, hereinafter referred to as Office, shall accept that documentation as proof of compliance. Pursuant to 62A-2-106, the Office will not enforce rules for licensees under contract to a Division in the Department of Human Services in the following areas:

A. the administration and maintenance of client and service records; and

B. staff qualifications; and

C. staff to client ratios.

R501-2-2. Program Administration.

A. The program shall have a written statement of purpose to include the following:

1. program philosophy,

2. description of long and short term goals, this does not apply to social detoxification or child placing adoption agencies,

3. description of the services provided,

4. the population to be served,

5. fee policy,

6. participation of consumers in activities unrelated to treatment plans, and

7. program policies and procedures at time of initial licensing.

B. Copies of the above statements shall be available at all times to the Office upon request. General program information shall be available to the public.

C. The program shall have a written quality assurance plan. Implementation of the plan shall be documented.

D. The program shall have clearly stated guidelines and appropriate administrative procedures, to include the following:

1. program management,

2. maintenance of complete, accurate and accessible records, and

3. record retention.

E. The governing body, program operators, management, employees, consultants, volunteers, and interns shall read, understand, follow and sign a copy of the current Department of Human Services Provider Code of Conduct.

F. The program shall comply with State and Federal laws regarding abuse reporting in accordance with 62A-4a-403 and 62A-3-302, and shall post copies of these laws in a conspicuous place within the facility.

G. All programs which serve minors or vulnerable adults shall submit identifying information for background screening for all staff.

H. The program shall comply with all applicable National Interstate Compact Laws.

I. A licensed substance abuse treatment program shall complete the Uniform Facility Data Set Survey annually. Substance abuse treatment programs shall also comply with Confidentiality of Alcohol and Drug abuse Patient Records, 42 CFR Part 2.

J. The program's license shall be posted in a conspicuous place on the premises. The program shall post Civil Rights and Americans With Disabilities Act, referred to as ADA, notices as applicable.

K. The program shall not handle the major personal business affairs of a consumer, without request in writing by the consumer and legal representative.

R501-2-3. Governance.

A. The program shall have a governing body which is responsible and has authority over the policies, training and monitoring of staff and consumer activities for all phases of the program. Their responsibilities shall include the following:

1. to ensure program policy and procedures compliance,

2. to ensure continual compliance with relevant local, state and federal requirements,

3. to notify the Office within 30 days of changes in program administration and purpose, according to R501-2-2.

4. to ensure that the program is fiscally and operationally sound,

5. to ensure that the program has adequate staffing as identified on the organizational chart,

6. to ensure that the program has general liability insurance, professional liability insurance as appropriate, vehicle insurance for transport of consumers, and fire insurance, and

7. for programs serving youth, the program director or designee shall meet with the Superintendent or designee of the local school district at the time of initial licensure, and then again each year as the programs renews it's license to complete the necessary student forms including youth education forms.

B. The governing body shall be:

1. a Board of Directors in a non-profit organization; or

2. commissioners or appointed officials of a governmental unit; or

3. Board of Directors or individual owner or owners of a for-profit organization, and

4. for Child Placing Adoption Agencies, a Board of Directors. The Board members shall not be owners, employees, or paid consultants of the agency.

C. The program shall have a list of members of the governing body, indicating name, address and term of membership.

D. The program shall have an organization chart which identifies operating units of the program and their inter-relationships. The chart shall define lines of authority and responsibility for all program staff.

E. When the governing body is composed of more than one person, the governing body shall establish written by-laws, and shall hold formal meetings at least twice a year, Child Placing Agencies must meet at least quarterly, maintain written minutes, which shall be available for review by the Office, to include the following:

1. attendance,

2. date,

3. agenda items, and

4. actions.

R501-2-4. Statutory Authority.

A. A publicly operated program shall document the statutory basis for existence.

B. A privately operated program shall document its ownership and incorporation.

R501-2-5. Record Keeping.

The program shall have, if available and appropriate, a written record for each consumer to include the following:

A. demographic information to include Medicaid number,

B. biographical information,

C. pertinent background information, including the following;

1. personal history, including social, emotional, psychological and physical development,

2. legal status,

3. emergency contact with name, address and telephone number, and

4. photo,

D. health records of a consumer including the following:

1. immunizations, this is not applicable to adult programs,

2. medication,

3. records of physical examinations, dental, and visual examinations, and

4. other pertinent health records and information,

E. signed consent form,

F. copy of consumer's individual treatment or service plan,

G. a summary of family visits and contacts, and

H. a summary of attendance and leaves.

R501-2-6. Direct Service Management.

A. Direct service management, as described herein, is not applicable to social detoxification, residential support or child placing adoption agencies. The program shall have on file for public inspection a written eligibility policy and procedure, approved by a licensed clinical professional to include the following:

1. legal status according to State law,

2. age and sex of consumer,

3. consumer needs or problems best addressed by program,

4. program limitations, and

5. appropriate placement.

B. The program shall have a written admission policy and procedure to include the following:

1. appropriate intake process,

2. pre-placement requirements,

3. self-admission,

4. notification of legally responsible person, and

5. reason for refusal of admission, to include a written, signed statement.

C. Intake evaluation.

1. At the time of intake an assessment shall be conducted to evaluate health and family history, medical, social, psychological and, as appropriate, developmental, vocational and educational factors.

2. In emergency situations which necessitate immediate placement, the intake evaluation shall be completed within seven days of admission.

3. All methods used in evaluating a consumer shall consider age, cultural background, dominant language, and mode of communication.

D. A written agreement, developed with the consumer, and the responsible person if applicable, shall be completed, signed by all parties, and kept in the consumer's record, with copies available to involved persons. It shall include the following:

1. rules of program,

2. consumer and family expectations,

3. services to be provided and cost of service,

4. authorization to serve and to obtain emergency care for consumer,

5. arrangements regarding absenteeism, visits, vacation, mail, gifts, and telephone calls, when appropriate, and

6. sanctions and consequences.

E. Consumer treatment plan shall be individualized, as applicable.

1. A staff member shall be assigned to each consumer having responsibility and authority for development, implementation, and review of the plan.

2. The plan shall include the following:

a. findings of intake evaluation and assessment,

b. measurable long and short term goals and objectives,

1) goals or objectives clearly derived from assessment information,

2) goals or objectives stated in terms of specific observable changes in behavior, skills, attitudes or circumstances,

3) evidence that consumer input was integrated where appropriate in identifying goals and objectives, and

4) evidence of family involvement in treatment plan, unless clinically contraindicated,

c. specification of daily activities, services, and treatment, and

d. methods for evaluation,

3. Treatment plans:

a. Plans shall be developed within 30 days of admission by a treatment team and reviewed by a licensed clinical professional. Thereafter, treatment plans shall be reviewed by the licensed clinical professional as often as stated in the treatment plan. Plans for non-Medicaid consumers shall be clinically reviewed within six months of admission and at least annually thereafter.

b. Where applicable, treatment or program plans shall be written to include the required components of Division of Services for People With Disabilities program plan.

4. All persons working directly with the consumer shall be appropriately informed of the individual treatment plan.

5. Reports on the progress of the consumer shall be available to the applicable Division, the consumer, or the legally responsible person.

6. Treatment record entries shall include the following:

a. identification of program,

b. date and duration of services provided,

c. description of service provided,

d. a description of consumer progress or lack of progress in the achievement of treatment goals or objectives as often as stated in the treatment plan, and

e. documentation of review of consumer's record to include the following:

1) signature,

2) title,

3) date, and

4) reason for review.

7. Transfer and Discharge

a. A discharge plan shall identify resources available to consumer.

b. The plan shall be written so it can be understood by the consumer or responsible party.

c. Whenever possible the plan shall be developed with consumers participation, or responsible party if necessary. The plan shall include the following:

1) reason for discharge or transfer,

2) adequate discharge plan, including aftercare planning,

3) summary of services provided,

4) evaluation of achievement of treatment goals or objectives,

5) signature and title of staff preparing summary, and

6) date of discharge or transfer.

d. The program shall have a written policy concerning unplanned discharge.

8. Incident or Crisis Intervention records

a. The program shall have written procedures for the reporting and documentation of deaths of consumers, injuries, fights, or physical confrontations, situations requiring the use of passive physical restraints, suspected incidents of abuse or neglect, unusual incidents, and other situations or circumstances affecting the health, safety, or well-being of consumers.

b. Records shall include the following:

1) summary information,

2) date, time of emergency intervention,

3) action taken,

4) employees and management responsible and involved,

5) follow up information,

6) list of referrals,

7) signature and title of staff preparing report, and

8) records shall be signed by management staff.

c. The report shall be maintained in individual consumer records.

d. When an incident involves abuse or neglect of a consumer, or death of a consumer, a program shall:

1) prepare a preliminary written report within 24 hours of the incident, and

2) notify the Office, the legally responsible person, and the appropriate law enforcement authority.

F. Intensive Supervision and Tracking: For those programs providing intensive supervision services, a designated staff member shall provide services to the consumer as frequently as determined in the treatment plan or contract. A consumer's record shall document, in activity logs, the date, amount of time spent, and the specific activity provided to the consumer. If any one consumer has more than one staff assigned to provide intensive supervision, this action shall be justified in the consumer's record and cleared by the licensed clinical supervisor.

R501-2-7. Behavior Management.

A. Behavior management methods, as described herein, are not applicable to child placing adoption agencies. The program shall have on file for public inspection, a written policy and procedure for the methods of behavior management. These shall include the following:

1. definition of appropriate and inappropriate behaviors of consumers,

2. acceptable staff responses to inappropriate behaviors, and

3. consequences.

B. The policy shall be provided to all staff, and staff shall receive training relative to behavior management at least annually, or more often if needed.

C. No management person shall authorize or use, and no staff member shall use, any method designed to humiliate or frighten a consumer.

D. No management person shall authorize or use, and no staff member shall use nor permit the use of physical restraint with the exception of passive physical restraint. Passive physical restraint shall be used only as a temporary means of physical containment to protect the consumer, other persons, or property from harm. Passive physical restraint shall not be associated with punishment in any way.

E. Staff who shall be responsible for the design and supervision of the behavior management procedure shall be at least 21 years of age.

R501-2-8. Rights of Consumers.

A. The program shall have a written policy for consumer rights to include the following, numbers 10-13 do not apply to child placing adoption agencies:

1. privacy of information and privacy for both current and closed records,

2. reasons for involuntary termination and criteria for re-admission to the program,

3. freedom from potential harm or acts of violence to consumer or others,

4. consumer responsibilities, including household tasks, privileges, and rules of conduct,

5. service fees and other costs,

6. grievance and complaint procedures,

7. freedom from discrimination,

8. the right to be treated with dignity,

9. the right to communicate by telephone or in writing with family, attorney, physician, clergyman, and counselor or case manager except when contraindicated by professional or supervisory personnel,

10. a list of people whose visitation rights have been restricted through the courts,

11. the right to send and receive mail providing that security and general health and safety requirements are met,

12. defined smoking policy in accordance with the Utah Clean Air Act, and

13. statement of maximum sanctions and consequences, reviewed and approved by the Office.

B. The consumer shall be informed of this policy to his or her understanding verbally and in writing. A signed copy shall be maintained in the consumer record.

R501-2-9. Personnel Administration.

A. The program shall have written personnel policies and procedures to include the following:

1. employee grievances,

2. lines of authority,
3. orientation and on-going training,
4. performance appraisals,
5. rules of conduct, and
6. sexual and personal harassment.

B. The program shall have a director, appointed by the governing body, who shall be responsible for management of the program and facility. The director or a responsible staff member shall be available at all times during operation of program.

C. The program shall have a personnel file for each employee to include the following:

1. application for employment,
2. applicable credentials and certifications,
3. initial medical history if directed by the governing body,
4. tuberculin test if directed by the governing body,
5. food handler permit, where required,
6. training record,
7. annual performance evaluations,
8. I-9 Form completed,
9. comply with the provisions of R501-14 and R501-15 for background screening, and
10. signed copy of the current Department of Human Services Provider Code of Conduct.

D. Staff shall have access to his or her personnel file in accordance with State and Federal law.

E. The program shall follow a written staff to consumer ratio, which shall meet specific consumer and program needs. The staff to consumer ratio shall meet or exceed the requirements set forth in the applicable categorical rules as found in R501-3, R501-7, R501-8, R501-11, and R501-16.

F. The program shall employ or contract with trained or qualified staff to perform the following functions:

1. administrative,
2. fiscal,
3. clerical,
4. housekeeping, maintenance, and food service,
5. direct consumer service, and
6. supervisory.

G. The program shall have a written job description for each position, which includes a specific statement of duties and responsibilities and the minimum level of education, training and work experience required.

H. Treatment shall be provided or supervised by professional staff, whose qualifications are determined or approved by the governing body, in accordance with State law.

I. The governing body shall ensure that all staff are certified and licensed as legally required.

J. The program shall have access to a medical clinic or a physician licensed to practice medicine in the State of Utah.

K. Nursing services, when provided, shall be in accordance with technical skills defined in the Utah Nurse Practice Act.

L. The program shall provide interpreters for consumers; or refer consumers to appropriate resources as necessary to communicate with consumers whose primary language is not English.

M. The program shall retain the personnel file of an employee after termination of employment, in accordance with accepted personnel practices.

N. A program using volunteers, substitutes, or student interns, shall have a written plan to include the following:

1. direct supervision by a program staff,
2. orientation and training in the philosophy of the program, the needs of consumers, and methods of meeting those needs,
3. background screening,
4. a record maintained with demographic information, and
5. Signed copy of the current Department of Human Services Provider Code of Conduct.

O. Staff Training

1. Staff members shall be trained in all policies of the program, including the following:
   a. orientation in philosophy, objectives, and services,
   b. emergency procedures,
   c. behavior management,
   d. statutory responsibilities of the program, including rights for people with disabilities according to the Americans With Disabilities Act,
   e. current program policy and procedures, and
   f. other relevant subjects.
2. Staff shall have completed and remain current in a certified first aid and CPR program as required.
3. Staff shall have current food handlers permit as required.
4. Training shall be documented and maintained in individual personnel files.

R501-2-10. Infectious Disease.

The program shall have policies and procedures designed to prevent or control infectious and communicable diseases in the facility in accordance with local, state and federal health standards.

R501-2-11. Emergency Plans.

A. The program shall have a written plan of action for disaster and casualties to include the following:

1. designation of authority and staff assignments,
2. plan for evacuation,
3. transportation and relocation of consumers when necessary, and
4. supervision of consumers after evacuation or relocation.

B. The program shall inform consumers how to respond to fire warnings and other instructions for life safety.

C. The program shall have a written plan which personnel follows in medical emergencies and arrangements for medical care, including notification of consumer's physician and nearest relative or guardian.

D. Death, serious illness, or injury of a consumer or staff at the program shall be reported within 24 hours to a guardian and to the Office.

R501-2-12. Safety.

A. Fire drills in non-outpatient programs, shall be conducted at least quarterly and documented. Notation of inadequate response shall be documented.

B. The program shall provide access to 24 hour telephone service. Telephone numbers for emergency assistance, i.e., 911 and poison control, shall be posted.

C. The program shall have an adequately supplied first aid kit in the facility.

D. Programs maintaining weapons at the facility shall assure that the weapons and ammunition are securely locked. Weapons kept at the facility and on the premises will be inaccessible to consumers at all times and rendered inoperable if possible.

R501-2-13. Transportation.

A. The program shall have written policy and procedures for transporting consumers.

B. In each program or staff vehicle, used to transport consumers, there shall be emergency information which includes at a minimum, the name, address and phone number of the program or an emergency telephone number.

C. The program shall have means, or make arrangement for, transportation in case of emergency.

D. Drivers of vehicles shall have a valid drivers license and follow safety requirements of the State.

E. Each vehicle shall be equipped with an adequately supplied first aid kit.

R501-2-14. Categorical Standards.

In addition to Core Standards, Categorical Standards are specific regulations which must be met for the following:

A. Child Placing Agencies,

B. Day Treatment,

C. Intermediate Secure Treatment Programs for Minors,

D. Outdoor Youth Programs,

E. Outpatient Treatment,

F. Outpatient Domestic Violence Perpetrator Treatment,

G. Residential Treatment,

H. Residential Support, and

I. Social Detoxification.

R501-2-15. Single Service Program Standards.

Core Standards of the Office do not apply to single service programs.

Single services program standards are the regulations which must be met for the following:

A. Adult Day Care, which standards are found in R501-13,

B. Adult Foster Care, which standards are found in R501-17, and

C. Child Foster Care, which standards are found in R501-12.

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R501. Human Services, Administration, Administrative Services, Licensing.

R501-3. Categorical Standards.

R501-3-1. Comprehensive Mental Health Center License.

A. Definition: Comprehensive mental health center means a community program which makes mental health services available to persons of all ages who are experiencing an emergency mental dysfunction in accordance with 62A-12-101-105, 301.

B. Purpose: The program provides at least the following continuum of categorical services: residential treatment, day treatment, outpatient treatment, and inpatient, which is licensed by the Utah State Department of Health.

C. The rules for these services are found in the subsequent rules of the Office of Licensing, hereinafter referred to as Office.

R501-3-2. Comprehensive Substance Abuse Program License.

A. Definition: Comprehensive substance abuse program means a community program operated by or under contract with a local substance abuse authority in accordance with 62A-8-101.

B. Purpose: The program provides at least the following continuum of categorical services; social detoxification, residential treatment, outpatient treatment, day treatment, and residential support.

C. The rules for these services are found in the subsequent rules for the Office.

R501-3-3. Residential Treatment Programs.

A. Definition: Residential treatment program means a 24-hour group living environment for four or more individuals unrelated to the owner or provider in accordance with 62A-2-101,17.

B. Purpose: The program offers room and board and provides for or arranges for the provision of specialized treatment, rehabilitation or habilitation services for persons with emotional, psychological, developmental, or behavioral dysfunctions, impairments, or chemical dependencies. In residential treatment, consumers are assisted in acquiring the social and behavioral skills necessary for living independently in the community in accordance with 62A-2-101, 17.

C. Administration

A current list of enrollment of all registered consumers shall be on-site at all times.

D. Staffing

1. The program shall have an employed manager who is responsible for the day to day resident supervision and operation of the facility. The responsibilities of the manager shall be clearly defined. Whenever the manager is absent there shall be a substitute available.

2. The program shall have a staff person trained, by a certified instructor, in first aid and CPR on duty with the consumers at all times.

3. Programs which utilize students and volunteers, shall provide screening, training, and evaluation of volunteers. Volunteers shall be informed verbally and in writing of program objectives and scope of service.

4. Professional staff shall include the following individuals who have received training in the specific area listed below:

a. Mental Health

1) a licensed physician or consulting licensed physician,

2) a licensed psychologist, or consulting licensed psychologist,

3) a licensed mental health therapist,

4) a licensed advanced practice registered nurse-psychiatric mental health nurse specialist, or a consulting advanced practice registered nurse-psychiatric mental health nurse specialist, and

5) if unlicensed staff are used, they shall be supervised by a licensed clinical professional.

b. Substance Abuse

1) a licensed physician, or a consulting licensed physician,

2) a licensed psychologist or consulting licensed psychologist,

3) a licensed mental health therapist or consulting licensed, mental health therapist, and

4) a licensed substance abuse counselor or unlicensed staff who work with substance abusers shall be supervised by a licensed clinical professional.

c. Children and Youth

1) a licensed physician, or consulting licensed physician,

2) a licensed psychologist, or consulting licensed psychologist, and

3) a licensed mental health therapist or consulting licensed mental health therapist, to provide a minimum of one hour of service to the program per week per consumer enrolled.

4) A licensed medical practitioner, by written agreement, shall be available to provide, as needed, a minimum of one hour of service per week for every two consumers enrolled.

5) Other staff trained to work with emotionally and behaviorally disturbed, or conduct disordered children and youth shall be under the supervision of a licensed clinical professional.

6) A minimum of two staff on duty and, a staff ratio of no less than one staff to every four consumers shall exist at all times, except nighttime sleeping hours when staff may be reduced.

7) A mixed gender population shall have at least one male and one female staff on duty at all times.

d. Services for People With Disabilities shall have a staff person responsible for program supervision and operation of the facility. Staff person shall be adequately trained to provide the services and treatment stated in the consumer plan.

E. Direct Service

Treatment plans shall be reviewed and signed by the clinical supervisor, or other qualified individuals for Division of Services for People With Disabilities services. Plans shall be reviewed and signed as noted in the treatment plan.

F. Physical Environment

1. The program shall provide written documentation of compliance with the following items as applicable:

a. local zoning ordinances,

b. local business license requirements,

c. local building codes,

d. local fire safety regulations,

e. local health codes, and

f. local approval from the appropriate government agency for new program services or increased consumer capacity.

2. Building and Grounds

a. The program shall ensure that the appearance and cleanliness of the building and grounds are maintained.

b. The program shall take reasonable measures to ensure a safe physical environment for consumers and staff.

G. Physical Facilities

1. Live-in staff shall have separate living space with a private bathroom.

2. The program shall have space to serve as an administrative office for records, secretarial work and bookkeeping.

3. Indoor space for free and informal activities of consumers shall be available.

4. Provision shall be made for consumer privacy.

5. Space shall be provided for private and group counseling sessions.

6. Sleeping Space

a. No more than four persons, or two for Division of Services for People With Disabilities programs, shall be housed in a single bedroom.

b. A minimum of sixty square feet per consumer shall be provided in a multiple occupant bedroom. Storage space will not be counted.

c. A minimum eighty square feet per individual shall be provided in a single occupant bedroom. Storage space shall not be counted.

d. Sleeping areas shall have a source of natural light, and shall be ventilated by mechanical means or equipped with a screened window that opens.

e. Each bed, none of which shall be portable, shall be solidly constructed, and be provided with clean linens after each consumer stay and at least weekly.

f. Sleeping quarters serving male and female residents shall be structurally separated.

g. Consumers shall be allowed to decorate and personalize bedrooms with respect for other residents and property.

7. Bathrooms

a. The program shall have separate bathrooms for males and females. These shall be maintained in good operating order and in a clean and safe condition.

b. Bathrooms shall accommodate consumers with physical disabilities as required.

c. Each bathroom shall be properly equipped with toilet paper, towels, soap, and other items required for personal hygiene.

d. Bathrooms shall be ventilated by mechanical means or equipped with a screened window that opens.

e. Bathrooms shall meet a minimum ratio of one toilet, one lavatory, one tub or shower for each six residents.

f. There shall be toilets and baths or showers which allow for individual privacy.

g. There shall be mirrors secured to the walls at convenient heights.

h. Bathrooms shall be located as to allow access without disturbing other residents during sleeping hours.

H. Equipment

1. Furniture and equipment shall be of sufficient quantity, variety, and quality to meet program and consumer needs.

2. All furniture and equipment shall be maintained in a clean and safe condition.

I. Laundry Service

1. Programs which permit individuals to do their own laundry shall provide equipment and supplies for washing, drying, and ironing.

2. Programs which provide for common laundry of linens and clothing, shall provide containers for soiled laundry separate from storage for clean linens and clothing.

3. Laundry appliances shall be maintained in a clean and safe condition.

J. Food Service

1. One staff shall be responsible for food service. If this person is not a professionally qualified dietitian, regularly scheduled consultation with a professionally qualified dietitian shall be obtained. Meals served shall be from dietitian approved menus.

2. The staff responsible for food service shall maintain a current list of consumers with special nutritional needs and record in the consumers service record information relating to special nutritional needs and provide for nutrition counseling where indicated.

3. The program shall establish and post kitchen rules and privileges according to consumer needs.

4. Consumers present in the facility for four or more consecutive hours shall be provided nutritious food.

5. Meals may be prepared at the facility or catered.

6. Kitchens shall have clean, operational equipment for the preparation, storage, serving, and clean up of all meals.

7. Adequate dining space shall be provided for consumers. The dining space shall be maintained in a clean and safe condition.

8. When meals are prepared by consumers there shall be a written policy to include the following:

a. rules of kitchen privileges,

b. menu planning and procedures,

c. nutritional and sanitation requirements, and

d. schedule of responsibilities.

K. Storage

1. The program shall have locked storage for medications.

2. The program shall have locked storage for hazardous chemicals and materials, according to the direction of the local fire authorities.

L. Medication

1. Prescriptive medication shall be provided as prescribed by a qualified person, according to the Medical Practices Act.

2. The program shall have designated qualified staff, who shall be responsible to:

a. administer medication,

b. supervise self-medication,

c. record medication, including time and dosage, according to prescription, and

d. record effects of medication.

M. Specialized Services for Substance Abuse

1. The program shall not admit anyone who is currently experiencing convulsions, in shock, delirium tremens, in a coma, or unconscious.

2. At a minimum the program shall document that direct service staff complete first aid and CPR training within six months of being hired. Training shall be updated as required by

the certifying agency.

3. Before admission, consumers shall be tested for Tuberculosis. Both consumers and staff shall be tested annually or as directed by the local health requirements.

N. Specialized Services for Programs Serving Children and Youth

1. Provisions shall be available for adolescents to continue their education with a curriculum approved by the State Office of Education.

2. Programs which provide their own school shall be recognized by an educational accreditation organization, i.e., State Board of Education or the National School Accreditation Board.

3. Individual, group, couple, and family counseling sessions or other appropriate treatment, including skills development, shall be conducted at least weekly, or more often if defined by the treatment plan. The consumer's record shall document the time and date of the service provided with signature of the counselor.

4. An accurate record shall be kept of all funds deposited and withdrawn with the residential facility for use by a consumer. Consumer purchases of over $20.00 per item, shall be substantiated by receipts signed by consumer and appropriate staff.

O. Specialized Services for Division of Services for People With Disabilities

1. Rules governing the daily operation and activities of the facility shall be available to all consumers and visitors, and shall apply to family members, consumers, and staff that come into the facility.

2. The program shall have policy specifying the amount of time family or friends may stay as overnight guests.

3. All consumers in residential programs shall have an individual plan that addresses appropriate day treatment.

4. A monthly schedule of activities shall be shared with the consumer and available on request. Schedules shall be filed and maintained for review.

5. Record of income, earned, unearned, and consumer service fees, shall be maintained by the provider.

6. Residential facilities shall be located where school, church, recreation, and other community facilities are available.

7. An accurate record shall be kept of all funds deposited with the residential facility for use by a consumer. This record shall contain a list of deposits and withdrawals. Consumer purchases of over $20.00, per item, shall be substantiated by receipts signed by consumer and professional staff. A record shall be kept of consumer petty cash funds.

8. The program, in conjunction with parent or guardian and the Division of Services for People With Disabilities support coordinator, shall apply for unearned income benefits for which a consumer is entitled.

R501-3-4. Day Treatment Programs.

A. Definition: Day treatment program means specialized treatment for less than 24 hours a day, for four or more persons who are unrelated to the owner or provider.

B. Purpose: A day treatment program provides services to individuals who have emotional, psychological, developmental, physical, or behavioral dysfunctions, impairments, or chemical dependencies. Day treatment is provided in lieu of, or in coordination with, a more restrictive residential or inpatient environment or service in accordance with 62A-2-101,5.

C. Administration

A list of current consumers shall be available and on-site at all times.

D. Program

1. Day treatment activity plans shall be prepared to meet individual consumer needs. Daily activity plans may include behavioral training, community living skills, work activity, work adjustment, recreation, self-feeding, self-care, toilet training, social appropriateness, development of gross and fine motor skills, interpersonal adjustment, mobility training, self-sufficiency training, and to encourage optimal mental or physical function, speech, audiology, physical therapy, and psychological services, counseling, and socialization.

2. A daily activity or service schedule shall be designed and implemented.

3. While on-site, consumers shall be supervised as necessary and encouraged to participate in activities.

4. All consumers shall be afforded the same quality of care.

E. Staffing

1. The program shall have an employed manager who is responsible for the day to day supervision and operation of the facility. The responsibilities of the manager shall be clearly defined. Whenever the manager is absent, there shall be a substitute available.

2. The program shall have a staff person trained, by a certified instructor, in first aid and CPR on duty with the consumers at all times.

3. Staffing Ratios

a. The minimum ratio shall be one direct care staff to ten consumers. In Division of Services for People With Disabilities programs, consumer ratios shall be determined by type of activity.

b. When 10% or more of the consumers are non-ambulatory, the ratio shall be one direct care staff to seven consumers.

4. Professional staff shall include the following individuals who have received training in the specific area listed below:

a. Mental Health

1) a licensed physician, or consulting licensed physician,

2) a licensed psychologist, or consulting licensed psychologist,

3) a licensed mental health therapist or consulting licensed mental health therapist, and

4) a licensed advanced practice registered nurse-psychiatric mental health nurse specialist, or a consulting licensed advanced practice registered nurse-psychiatric mental health nurse specialist.

5) If unlicensed staff are used they shall be supervised by a licensed clinical professional.

b. Substance Abuse

1) a licensed physician or consulting licensed physician,

2) a licensed psychologist or consulting licensed psychologist,

3) a licensed mental health therapist or consulting licensed mental health therapist, and

4) a licensed substance abuse counselor or unlicensed staff who work with substance abuses shall be supervised by a licensed clinical professional.

c. Children and Youth

1) a licensed physician, or consulting licensed physician,

2) a licensed psychologist, or consulting licensed psychologist,

3) a licensed mental health therapist or consulting licensed mental health therapist, to provide a minimum of one hour of service per week per consumer enrolled in the program, and

4) a licensed advanced practice registered nurse-psychiatric mental health nurse specialist, or consulting licensed advanced practice registered nurse-psychiatric mental health nurse specialist.

5) If unlicensed staff are used, they shall be trained to work with emotionally and behaviorally disturbed, or conduct disordered children and youth and shall be under the supervision of a licensed clinical professional.

d. Services for People With Disabilities

1) a staff person responsible for consumer supervision and operation of the facility, and

2) trained staff to provide the services and treatment stated in the consumer's plan.

F. Physical Environment

1. The program shall provide written documentation of compliance with the following:

a. local zoning ordinances,

b. local business license requirements,

c. local building codes,

d. local fire safety regulations,

e. local health codes, and

f. local approval from the appropriate government agency for new program services or increased consumer capacity.

2. Building and Grounds

a. The program shall have a minimum of fifty square feet of floor space per consumer designated specifically for day treatment. Hallways, office, storage, kitchens, and bathrooms may not be included in computation.

b. Outdoor recreational space and compatible recreational equipment shall be available when necessary to meet treatment plans.

c. The program shall ensure that the appearance and cleanliness of the building and grounds are maintained.

d. The program shall take reasonable measures to ensure a safe physical environment for consumers and staff.

e. Furniture and equipment shall be of sufficient quantity, variety, and quality to meet program and consumer needs and shall be maintained in a clean and safe condition.

f. The program shall have locked storage for hazardous chemicals and materials, according to the direction of the local fire authorities.

G. Equipment

Equipment for work activities shall be kept in safe operating condition.

1. Power equipment shall be installed and maintained in accordance with the National Electrical Code.

2. When operating power equipment, the operator shall wear safe clothing and protective eye gear.

3. Rings and watches are not to be worn, and long hair shall be confined when operating power equipment.

4. Consumer exposure to hazardous materials shall be controlled as defined in Utah State Industrial Regulations.

H. Bathrooms

1. The program shall have one or more bathrooms each for males and females in accordance with current uniform building codes. They shall be maintained in good operating order and in a clean and safe condition.

2. Bathrooms shall accommodate consumers with physical disabilities as required.

3. Bathrooms shall be properly equipped with toilet paper, towels, soap, and other items required for personal hygiene.

4. Bathrooms shall be ventilated by mechanical means or equipped with a screened window that opens.

I. Food Service

1. One person shall be responsible for food service. If this person is not a professionally qualified dietitian, regularly scheduled consultation with a professionally qualified dietitian shall be obtained. Meals served shall be from dietitian approved menus.

2. The person responsible for food service shall maintain a current list of consumers with special nutritional needs and record in the consumers service record information relating to special nutritional needs and provide for nutrition counseling where indicated.

3. When meals are prepared by consumers, there shall be a written policy to include the following:

a. rules of kitchen privileges,

b. menu planning and procedures,

c. nutritional and sanitation requirements, and

d. schedule of responsibilities.

4. The program shall provide adequate storage and refrigeration for meals carried to the program by consumers.

5. Kitchens shall have clean, operational equipment for the preparation, storage, serving, and clean up of all meals.

6. Adequate dining space shall be provided for consumers. The dining space shall be maintained in a clean and safe condition.

J. Medication

1. Prescriptive medication shall be provided as prescribed by a qualified person according to the Medical Practices Act.

2. The program shall have locked storage for medication.

3. The program shall have written policy and procedure to include the following:

a. self administered medication,

b. storage,

c. control, and

d. release and disposal of drugs in accordance with federal and state regulations.

R501-3-5. Outpatient Treatment Programs.

A. Definition: Outpatient treatment program means individual, family, or group therapy or counseling designed to improve and enhance social or psychological functioning for those consumers whose physical and emotional status allows them to continue functioning in their usual living environment in accordance with 62A-2-101,15.

B. Purpose: Outpatient treatment shall serve consumers who require less structure than offered in day treatment or

residential treatment programs. Consumers are provided treatment as often as determined and noted in the treatment plan.

C. Treatment Plan

1. Treatment plans shall be developed based on assessment and evaluation of individual consumer needs. The treatment may be consultive and may include medication management.

2. Treatment plans shall be reviewed and signed by a licensed clinical professional as frequently as determined in the treatment plan.

D. Professional staff shall include at least one of the following individuals who has received training in the specific area listed below:

1. Mental Health

a. a licensed physician, or

b. a licensed psychologist, or

c. a licensed mental health therapist, or

d. a licensed advanced practice registered nurse-psychiatric mental health nurse specialist.

e. If unlicensed staff are used, they shall not supervise clinical programs. Unlicensed staff shall be trained to work with psychiatric consumers and be supervised by a licensed clinical professional.

2. Substance Abuse

a. a licensed physician, or

b. a licensed psychologist, or

c. a licensed mental health therapist, or

d. a licensed advanced practice registered nurse-psychiatric mental health nurse specialist.

e. A licensed substance abuse counselor or unlicensed staff who work with substance abusers shall be supervised by a licensed clinical professional.

3. Children and Youth

a. a licensed psychiatrist, or

b. a licensed psychologist, or

c. a licensed mental health therapist, or

d. a licensed advanced practice registered nurse-psychiatric mental health nurse specialist.

e. If the following individuals are used they shall not supervise clinical programs: A person with a graduate degree in counseling, psychiatric nursing, marriage and family therapy, social work or psychology who is working toward a clinical license, and has been approved by the Division of Occupational and Professional Licensing for the appropriate supervision, or a second year graduate student training for one of the above degrees.

4. Domestic Violence

a. a licensed psychiatrist, or

b. a licensed psychologist, or

c. a licensed clinical social worker, or

d. a licensed marriage and family therapist, or

e. a licensed professional counselor, or

f. a licensed advanced practice registered nurse-psychiatric mental health nurse specialist, or

g. a person with a graduate degree in counseling, psychiatric nursing, marriage and family therapy, social work or psychology who is working toward a clinical license, and has been approved by the Division of Occupational and Professional Licensing for the appropriate supervision, or

h. a second year graduate student in training for one of the above degrees, or

i. a licensed social services worker with at least three years of continual, full time, related experience, when practicing under the direction and supervision of a licensed clinical professional.

j. Individuals from categories g.h. above shall not supervise clinical programs. Individuals in category i. above shall not supervise clinical programs, and may only co-facilitate group therapy sessions with a person qualified per paragraphs a. through f. above.

E. Direct Service

1. Counseling sessions, except for Domestic Violence:

Individual, group, couple, or family counseling sessions shall be provided to the consumer as frequently as determined in the treatment plan. In the consumer's record and in the progress notes, the date of the session and the provider shall be documented. Treatment sessions may be provided less frequently than once a month if approved by the clinical supervisor and justified in the consumer record.

2. Domestic violence treatment programs shall comply with generally accepted practices in the current domestic violence literature and the following requirements:

a. Maintain and document cooperative working relationships with domestic violence shelters, treatment programs, referring agencies, custodial parents when the consumer is a minor and local domestic violence coalitions. If the consumer is a perpetrator, contact with victims, current partner, and the criminal justice referring agencies is also required, as appropriate.

b. Treatment sessions for each perpetrator, not including orientation and assessment interviews, shall be provided for at least one hour per week for a minimum of sixteen weeks. Treatment sessions for children and victims shall offer a minimum of 10 sessions for each consumer not including intake or orientation.

c. Staff to Consumer Ratio:

1) The staff to consumer ratio in adult treatment groups shall be one to eight for a one hour long group or one to ten for an hour and a half long group. The maximum group size shall not exceed sixteen.

2) Child victim or child witness groups shall have a ratio of one staff to eight children when the consumers are under twelve years of age, and a one staff to ten children ratio when the consumers are twelve years of age or older.

d. When any consumer enters a treatment program the staff shall conduct an in-depth, face to face interview and assessment to determine the consumer's clinical profile and treatment needs. For perpetrator consumers, additional information shall be obtained from the police incident report, perpetrator's criminal history, prior treatment providers, and the victim. When appropriate, additional information for child consumers shall be obtained from parents, prior treatment providers, schools and Child Protective Services. When any of the above information cannot be obtained the reason shall be documented. The assessment shall include the following:

1) a profile of the frequency, severity and duration of the domestic violence behavior, which includes a summary of psychological violence,

2) documentation of any homicidal, suicidal ideation and

intentions as well as abusive behavior toward children,

3) a clinical diagnosis and a referral for evaluation to determine the need for medication if indicated,

4) documentation of safety planning when the consumer is an adult victim, child victim, or child witness, and that they have contact with the perpetrator. For victims who choose not to become treatment consumers, safety planning shall be addressed when they are contacted, and

5) documentation that appropriate measures have been taken to protect children from harm.

e. Consumers deemed appropriate for a domestic violence treatment program shall have an individualized treatment plan, which addresses all relevant treatment issues. Consumers who are not deemed appropriate for domestic violence programs shall be referred to the appropriate resource, with the reasons for referral documented and notification given to the referring agency. Domestic violence counseling shall be provided when appropriate, concurrently with or after other necessary treatment.

f. Conjoint or group therapy sessions with victims and perpetrators together or with both co-perpetrators shall not be provided until a comprehensive assessment has been completed to determine that the violence has stopped and that conjoint treatment is appropriate. The perpetrator must complete a minimum of 12 domestic violence treatment sessions prior to implementing conjoint therapy.

g. A written procedure shall be implemented to facilitate the following in an efficient and timely manner:

1) entry of the court ordered defendant into treatment,

2) notification of consumer compliance, participation or completion,

3) disposition of non-compliant consumers,

4) notification of the recurrence of violence, and

5) notification of factors which may exacerbate an individual's potential for violence.

h. Comply with the "Duty to Warn," 78-14a-102.

i. Document specialized training in domestic violence assessment and treatment practices including 24 hours of pre-service training within the last two years and 16 hours of training annually thereafter for all individuals providing treatment services.

j. Clinical supervision for treatment staff who are not clinically licensed shall consist of a minimum of an hour a week to discuss clinical dynamics of cases.

F. Physical Environment

1. The program shall provide written documentation of compliance with the following:

a. local zoning ordinances,

b. local business license requirements,

c. local building codes,

d. local fire safety regulations, and

e. local health codes.

2. Building and Grounds

a. The program shall ensure that the appearance and cleanliness of the building and grounds are maintained.

b. The program shall take reasonable measures to ensure a safe physical environment for consumers and staff.

c. Space shall be provided for private and group counseling sessions.

3. Storage

The program shall have:

a. locked storage for medications, and

b. locked storage for hazardous chemicals and materials, according to the direction of the local fire authorities.

4. Equipment

a. Furniture and equipment shall be of sufficient quantity, variety, and quality to meet program and consumer plans.

b. All furniture and equipment shall be maintained in a clean and safe condition.

5. Bathrooms

a. Bathrooms shall accommodate physically disabled consumers.

b. Each bathroom shall be maintained in good operating order and be properly equipped with toilet paper, towels, and soap.

c. Bathrooms shall be ventilated by mechanical means or equipped with a screened window that opens.

R501-3-6. Residential Support Programs.

A. Definition: Residential Support means a 24-hour group living environment, providing room and board for four or more consumers unrelated to the owner or provider in accordance with 62A-2-101,16.

B. Purpose: A residential support service arranges for or provides the necessities of life as a protective service to individuals or families who are experiencing a dislocation or emergency which prevents them from providing these services for themselves or their families. Treatment is not a necessary component of residential support service, however treatment shall be made available on request.

C. Administration

1. The program shall ensure that consumers receive direct service from an assigned worker or other appropriate professional.

2. A list of current consumers shall be available and on-site at all times.

D. Staffing

1. The program shall have an employed manager responsible for the day to day resident supervision and operation of the facility. The responsibilities of the manager shall be clearly defined. Whenever the manager is absent there shall be a substitute to assume managerial responsibility as needed. With the exception of Domestic Violence Shelters, adult programs are not required to provide twenty four hour supervision.

2. The program shall make arrangement for medical backup with a medical clinic or physician licensed to practice medicine in the State of Utah.

3. During normal staff hours, the program shall have at least one person on duty who has completed and remains current in a certified first aid and CPR program.

4. Programs which utilize students and volunteers, shall provide screening, training, and evaluation of volunteers. Volunteers providing care in Domestic Violence Shelters, without paid staff present, shall have direct communication access to designated staff at all times. Volunteers shall be informed verbally and in writing of program objectives and scope of service.

E. Direct Service, this section supersedes core standards, Section R501-2-6

1. The program consumer records shall contain the following:

a. name address, telephone number, admission date, and personal information as required by the program,

b. emergency information with names, address, and telephone numbers,

c. a statement indicating that the resident meets the admission criteria,

d. description of presenting problems,

e. service plan and services provided, and referral arrangements as required by the program,

f. discharge date,

g. signature of person or persons, or designee providing services, and

h. crisis intervention and incident reports.

2. The program's consumer service plan shall offer and document as many life enhancement opportunities as are appropriate and reasonable.

3. Domestic Violence Shelter action plans shall include the following:

a. a review of danger and lethality with victim and discussion of the level of the victim's risk of safety.

b. a review of safety plan with the victim,

c. a review of the procedure for a protective order and referral to appropriate agency or clerk of the court authorized to issue the protective order, and

d. a review of supportive services to include, but not limited to medical, self sufficiency, day care, legal, financial, and housing assistance. The program shall facilitate connecting services to those resources as requested. Appropriate referrals shall be made, when indicated, and documented in the consumer record for victim treatment, psychiatric consultation, drug and alcohol treatment, or other allied services.

e. Domestic Violence Shelter staff completing action plans shall have at least a Bachelor's Degree in Behavioral Sciences.

F. Physical Environment

The program shall provide written documentation of compliance with the following:

1. local zoning ordinances,

2. local business license requirements,

3. local building codes,

4. local fire safety regulations,

5. local health codes, and

6. local approval from the appropriate government agency for new program services or increased consumer capacity.

G. Building and Grounds

1. The program shall ensure that the appearance and cleanliness of the building and grounds are maintained.

2. The program shall take reasonable measures to ensure a safe physical environment for its consumers and staff.

3. Live-in staff shall have separate living space with a private bathroom.

4. The program shall have space to serve as an administrative office for records, secretarial work and bookkeeping.

5. Space shall be provided for private and group counseling sessions.

6. Bathrooms

a. There shall be separate bathrooms, including a toilet, lavatory, tub or shower, for males and females. These shall be maintained in good operating order and in a clean and safe condition.

b. Consumer to bathroom ratios shall be 10 to one.

c. Bathrooms shall accommodate consumers with physical disabilities, as required.

d. Each bathroom shall be maintained in good operating order and be equipped with toilet paper, towels, and soap.

e. There shall be mirrors secured to the walls at convenient heights.

f. Bathrooms shall be placed as to allow access without disturbing other residents during sleeping hours.

g. Bathrooms shall be ventilated by mechanical means or equipped with a screened window that opens.

h. Domestic Violence Shelters:

1) family members may share bathrooms, and

2) where bathrooms are shared by more than one family or by children over the age of eight, parents or program staff shall ensure that privacy is protected.

7. Sleeping Accommodations

a. A minimum of 60 square feet per consumer shall be provided in a multiple occupant bedroom and 80 square feet in a single occupant bedroom. Storage space shall not be counted.

b. Sleeping areas shall have a source of natural light, and shall be ventilated by mechanical means or equipped with a screened window that opens.

c. Each bed, none of which shall be portable, shall be solidly constructed and be provided with clean linens after each consumer stay and at least weekly.

d. Sleeping quarters serving male and female residents shall be structurally separated.

e. Consumers shall be allowed to decorate and personalize bedrooms with respect for other residents and property.

f. Domestic Violence Shelters, Family Support Centers and children's shelters, the following shall apply:

1) A minimum of 40 square feet per consumer shall be provided in a multiple occupant bedroom. Storage space shall not be counted. The use of one crib for children under two years of age shall not be counted in the square foot requirement as long as it does not inhibit access to and from the room.

2) Roll away and hide-a-beds may be used as long as the consumer square foot requirement is maintained.

3) Family members are allowed to share bedrooms. Where bedrooms are shared by more than one family, parents or program staff shall make appropriate arrangements to ensure privacy is protected.

8. Equipment

a. Furniture and equipment shall be of sufficient quantity, variety, and quality to meet program and consumer needs.

b. All furniture and equipment shall be maintained in a clean and safe condition.

9. Storage

a. The program shall have locked storage for medications.

b. The program shall have locked storage for hazardous chemicals and materials, according to the direction of the local fire authorities.

c. Any weapons brought into the facility shall be secured

in a locked storage area or removed from the premises.

10. Laundry Service

a. Programs which permit consumers to do their own laundry shall provide equipment and supplies for washing, drying, and ironing.

b. Programs which provide for common laundry of linens and clothing, shall provide containers for soiled laundry separate from storage for clean linens and clothing.

c. Laundry appliances shall be maintained in good operating order and in a clean and safe condition.

11. Food Service

a. One staff shall be responsible for food service. If this person is not a professionally qualified dietitian, regularly scheduled consultation with a professionally qualified dietitian shall be obtained. Meals served shall be from dietitian approved menus.

b. The staff responsible for food service shall maintain a current list of consumers with special nutritional needs and record in the consumer's service record information relating to special nutritional needs and provide for nutritional counseling where indicated.

c. The program shall establish and post kitchen rules and privileges according to consumer needs.

d. Consumers present in the facility for four or more consecutive hours shall be provided nutritious food.

e. Meals may be prepared at the facility or catered.

f. Kitchens shall have clean, safe operational equipment for the preparation, storage, serving, and clean up of all meals.

g. Adequate dining space shall be provided for consumers. The dining space shall be maintained in a clean and safe condition.

h. When meals are prepared by consumers, there shall be a written policy to include the following:

1) rules of kitchen privileges,
2) menu planning and procedures,
3) nutritional and sanitation requirements, and
4) schedule of responsibilities.

H. Specialized Services for Substance Abuse

1. The program shall not admit anyone who is currently experiencing convulsions, in shock, delirium tremens, in a coma or unconscious.

2. Before admission, consumers shall be tested for Tuberculosis. Both consumers and staff shall be tested annually or as directed by the local health requirements.

I. Specialized Services for Programs Serving Children

1. The program shall provide clean and safe age appropriate toys for children.

2. The program shall provide an outdoor play area enclosed with a five foot safety fence.

3. Only custodial parents, legal guardian, or persons designated in writing, are allowed to remove any child from the program.

4. The program shall provide adequate staff to supervise children at all times.

J. Specialized Services for Domestic Violence Shelters

1. The program shall provide clean and safe age appropriate toys for children.

2. The program shall provide an outdoor play area enclosed with a five foot safety fence.

3. The program shall provide and document the following information both verbally and in writing to the consumer: Shelter rules, reason for termination, and confidentiality issues.

4. Parents are responsible for supervising their children while at the shelter. If parents are required to be away from the shelter or involved in shelter activities without their children, they shall arrange for appropriate child care services.

KEY: licensing, human services
December 2, 1997 62A-2-101 et seq.
Notice of Continuation September 3, 1997

R512. Human Services, Child and Family Services. **November 5, 1998** **62a-4a-102**

R512-3. Procedures for Establishing Policy.

R512-3-1. Authority and Purpose.

(1) This rule establishes procedures for the Board of Child and Family Services to obtain input of interested parties and entities specified in Subsection 62A-4a-102(3)(b) when establishing policy for the Division of Child and Family Services.

(2) This rule is required by Subsection 62A-4a-102(3).

R512-3-2. Definitions.

(1) Board means the Board of Child and Family Services.

(2) Division means the Division of Child and Family Services.

(3) Policy means the Board's directives that the Division uses to formulate its professional practices that affect the public, or the Division's consumers or providers. Board policy guides the Division's development of procedures, rules, and services, and guides the Division's discretion when rules and procedures do not exist or are inadequate to address unanticipated circumstances.

R512-3-3. Process to Establish Board Policy.

(1) Petitions or suggestions for new or revised policy may be submitted for the Board's investigation and review by a Board member, a member of an Advisory Council to the Board, the Director of the Division, or any member of the public.

(2) Following a review of the petition/suggestion, the Board may direct the Director of the Division to devise a draft policy for the Board's consideration. During the draft period, the Division will solicit input from interested parties in the development of draft policy.

(3) After the Board has reviewed the draft policy, the Board may direct the dissemination of the draft policy to any of its Advisory Councils or representatives of parties identified in Subsection 62A-4a-102(3). Subject to Board approval, the draft policy will be submitted for public comment for a period of 30 days. The Board may conduct a public hearing during this period, and may appoint an independent hearing officer for this purpose.

(4) After the 30-day comment period, the Director or designee will review and summarize the comments that have been received. Summarized comments and recommended policy changes will then be submitted to the Board.

(5) The Board will assess the recommendations within 60 days of the comment period. If policy changes are adopted, they will be scheduled for implementation upon final approval of the Board.

(6) A policy or procedure that affects the rights of private citizens, consumers, foster parents, private contract providers, state or local agencies, or others shall be promulgated as a rule, pursuant to the Utah Administrative Rulemaking Act, Title 63, Chapter 46a. Correspondingly, a policy or procedure that impacts the internal management or staff operations within the Division may be identified as such within the Division's internal policy manual.

KEY: child welfare policy*, domestic violence policy*, public input in policy*

R539. Human Services, Services for People with Disabilities.
R539-1. Eligibility.
R539-1-1. Eligibility for General Developmental Disability Services.

A. Policy.

The Division of Services for People with Disabilities will serve those persons who meet the definition of disabled in Section 62A-5-101.

1. Operational definition- Life Activity Limitations:

a. Self care- A person who requires assistance, training or supervision in toileting, dressing, grooming, bathing or eating.

b. Receptive and expressive language- A person who is limited in expressive and/or receptive language. Expressive impairments are noted when a person lacks functional skills and/or requires the use of assistive devices to communicate. Receptive impairments are noted when a person does not demonstrate understanding of requests or is unable to follow two step instructions.

c. Learning/Cognitive Development- A person who has obtained a valid and reliable IQ Score of two standard deviations or more below the mean on an individually administered standardized intelligence test.

d. Mobility- A Persons with a mobility impairment who requires the use of assistive devices to be mobile and who cannot physically self evacuate from a building within a reasonable period of time.

e. Self direction- A child (age 6-18 who is unable to make age-appropriate decisions concerning self-protection. An adult who is unable to provide informed consent for such issues as medical/health care, personal safety, legal, financial, habilitative or residential issues and/or who has been declared legally incompetent.

f. Capacity for independent living- A person who is unable to locate and use a telephone, cross streets safely, or understand that it is not safe to accept rides, food or money from strangers. A person who is a significant danger to self or others without supervision.

g. Economic self sufficiency- An adult who receives Social Security Administration benefits: who is unable to work more than 20 hours a week or is paid less than minimum wage without employment support. A person under age 18 is.

B. Procedures.

1. Individuals seeking services from the Division shall provide, to the intake specialist, a Form 19 signed by a licensed physician, licensed psychologist or certified school psychologist. For children six years of age and younger, letters from two licensed or certified professionals working in the disability field will be accepted in lieu of the form 19 providing the letters state: the child is at serious risk of a disability, the disability is likely to continue indefinitely, and the child would benefit from Division services.

2. A person determined eligible for waiver services may choose to maximize the amount and/or frequency of supports by use of the Medicaid DD/MR Waiver. If the person chooses not to participate in the Medicaid Waiver, the person shall only receive that portion of State assistance that would be used to pay the State match for supports covered by Medicaid.

R539-1-2. Eligibility for Home and Community-Based Waiver Services.

A. Policy.

Some people are further eligible for federally matched services (Home and Community-Based Services Waiver) who meet Division eligibility and, in addition, have mental retardation or a developmental disability which would require the level of care provided in an Intermediate Care Facility for the Mentally Retarded in accordance with R414-39.

R539-1-3. Personal Assistance Services Eligibility.

A. Policy.

1. Personal Assistance Services means hands-on care of both a medical and non-medical supportive nature specific to the needs of an adult with a physical disability.

2. Applicants for Personal Assistance Services are required to complete a written application and are screened by the Division of Services for People with Disabilities. Applicants must be adults with physical disabilities who:

a. are 18 years of age or older;

b. have a documented physical disability resulting in a functional loss of two or more limbs to the extent that the assistance of another person is required to accomplish personal care;

c. are medically stable;

d. require at least 14 or more hours per week of personal assistance services;

e. demonstrate the ability to be self-directed and capable of managing their personal affairs as well as supervising the person(s) hired to provide the necessary personal assistance; and

i. have at least one personal attendant willing to be trained and available to provide support services in a setting that can accommodate the personnel and equipment needed to adequately and safely care for the individual.

ii. To be eligible for the Personal Assistance Medicaid Waiver, individuals must also:

I. qualify for Medicaid based on personal income and resources; and

II. meet admission criteria for nursing facility care as determined by the Division of Health Systems Improvement, Resident Assessment Section.

B. Procedures.

1. An application for services is made directly to the State Division Office by submitting Form 20 signed by a licensed physician. The application must be complete and include:

a. documentation of the extent of personal assistance services needed;

b. documentation that a pending or "dependent" living situation can be alleviated by Personal Assistance Services; and

c. verification by a physician of required information.

2. Members of a person's support team may assist an individual who receives support services to make an application for personal assistance services.

3. All applications shall be reviewed by a Division State Office staff member. If the applicant is determined eligible, the applicants name shall be entered on the waiting list. The persons priority on the waiting list shall be determined by the date the application was received by the Division's State Office. Applicants shall receive funding in order of priority

4. Applicants waiting for personal assistance support

services or their representatives, may petition a Review Team to ask for a higher priority.

5. Individual who receive personal assistance support services may petition a Review Team to consider a request for an increase in funding

6. Appeals for denial of services will be made according to R539-2-5

7. A person determined eligible for the Personal Assistance Services Medicaid Waiver can choose to maximize the amount and/or frequency of supports by use of the Waiver. If the person chooses not to participate in the Personal Assistance Waiver, the person shall only receive that portion of State assistance that would be used to pay the State match for supports covered by Medicaid.

R539-1-4. Brain Injury Waiver Eligibility.

A. Policy.

A person who has a documented brain injury, who requires the level of care provided in a Nursing Facility (according to Utah Administrative Rules for Health R414-502-3) and who is 18 years of age or older may be eligible for Division services under the Brain Injury Home and Community-Based Waiver. Only individuals with an acquired neurological brain injury or limitation qualify for services. Individuals with substance abuse or deteriorating diseases like Multiple Sclerosis, Muscular Dystrophy, Huntington's Chorea, Ataxia or Cancer as their primary diagnosis are ineligible for these Waiver services.

B. Procedures.

1. Required documentation:

a. documentation of brain injury signed by a licensed physician;

c. a Rancho Los Amigos Adult Head Trauma Scale, completed within the last year by a qualified professional. To be eligible for services, the individual's degree of functioning must be rated at a level of 5, 6, or 7 on the Rancho Los Amigos Adult Head Trauma Scale.

2. Eligibility will not be determined until all documentation is received. Eligibility may be denied after 90 days if necessary documentation is not received.

KEY: disabled persons*, social services
November 24, 1998 62A-5-103
Notice of Continuation December 18, 1997

R590. Insurance, Administration.
R590-161. Disability Income Policy Disclosure.
R590-161-1. Authority.

This rule is issued pursuant to the authority vested in the commissioner under Section 31A-2-201.

R590-161-2. Definition.

"Disability Income Policy" means a group or individual insurance policy that provides for payments to the insured to replace income lost from accident or sickness.

R590-161-3. Rule.

A. Unless the reduction is clearly explained in the outline of coverage, the group certificate, and the policy, the amount of benefit payable by an insurer under a disability income policy may not be reduced by:

(1) worker's compensation benefit paid to the insured; or

(2) social security benefit paid to the insured; or

(3) any other amount the insured has received, or is entitled to receive by law or contract, including any other disability contract.

B. Any insurer that has disability income policies in effect that have reduction of benefit provisions that were not clearly explained in the outline of coverage, the group certificate, and the policy, will, within 30 days after the effective date of this rule, send notices to these insureds that clearly explain these reductions.

R590-161-4. Severability.

If any provision of this rule or the application thereof to any person or circumstance is for any reason held to be invalid, the remainder of the rule and the application of the provision to other persons or circumstances shall not be affected thereby.

KEY: insurance
1994 31A-2-201
Notice of Continuation December 1, 1998

R590. Insurance, Administration.
R590-162. Actuarial Opinion and Memorandum Rule.
R590-162-1. Purpose.

The purpose of this rule is to prescribe:

A. Guidelines and standards for statements of actuarial opinion which are to be submitted in accordance with Section 31A-17-503, and for memoranda in support thereof;

B. Guidelines and standards for statements of actuarial opinion which are to be submitted when a company is exempt from Subsection 31A-17-503(3); and

C. Rules applicable to the appointment of an appointed actuary.

R590-162-2. Authority.

This rule is issued pursuant to the authority vested in the Commissioner of Insurance of the State of Utah under Section 31A-17 Part 5. This rule will take effect for annual statements for the year 1993.

R590-162-3. Scope.

This rule shall apply to all life insurance companies and fraternal benefit societies doing business in this State and to all life insurance companies and fraternal benefit societies which are authorized to reinsure life insurance, annuities or disability insurance business in this State.

This rule shall be applicable to all annual statements filed with the office of the commissioner after the effective date of this rule. Except with respect to companies which are exempted pursuant to Section 6 of this rule, a statement of opinion on the adequacy of the reserves and related actuarial items based on an asset adequacy analysis in accordance with Section 8 of this rule, and a memorandum in support thereof in accordance with Section 9 of this rule, shall be required each year. Any company so exempted must file a statement of actuarial opinion pursuant to Section 7 of this rule.

Notwithstanding the foregoing, the commissioner may require any company otherwise exempt pursuant to this rule to submit a statement of actuarial opinion and to prepare a memorandum in support thereof in accordance with Sections 8 and 9 of this rule if, in the opinion of the commissioner, an asset adequacy analysis is necessary with respect to the company.

R590-162-4. Definitions.

A. Actuarial Opinion means:

(1) With respect to Section 8, 9 or 10 of this rule, the opinion of an Appointed Actuary regarding the adequacy of the reserves and related actuarial items based on an asset adequacy test in accordance with Section 8 of this rule and with presently accepted Actuarial Standards;

(2) With respect to Section 7 of this rule, the opinion of an Appointed Actuary regarding the calculation of reserves and related items, in accordance with Section 7 of this rule and with those presently accepted Actuarial Standards which specifically relate to this opinion.

B. "Actuarial Standards Board" is the board established by the American Academy of Actuaries to develop and promulgate standards of actuarial practice.

C. "Annual Statement" means that statement required by Section 31A-4-113 to be filed by the company with the office of the commissioner annually.

D. "Appointed Actuary" means any individual who is appointed or retained in accordance with the requirements set forth in Section 5C of this rule to provide the actuarial opinion and supporting memorandum as required by 31A-17-503.

E. "Asset Adequacy Analysis" means an analysis that meets the standards and other requirements referred to in Section 5D of this rule. It may take many forms, including, but not limited to, cash flow testing, sensitivity testing or applications of risk theory.

F. "Commissioner" means the Insurance Commissioner of this State.

G. "Company" means a life insurance company, fraternal benefit society or reinsurer subject to the provisions of this rule.

H. "Non-Investment Grade Bonds" are those designated as classes 3, 4, 5 or 6 by the NAIC Securities Valuation Office.

I. "Qualified Actuary" means any individual who meets the requirements set forth in Section 5B of this rule.

R590-162-5. General Requirements.

A. Submission of Statement of Actuarial Opinion

(1) There is to be included on or attached to Page 1 of the annual statement for each year beginning with the year in which this rule becomes effective the statement of an appointed actuary, entitled "Statement of Actuarial Opinion," setting forth an opinion relating to reserves and related actuarial items held in support of policies and contracts, in accordance with Section 8 of this rule; provided, however, that any company exempted pursuant to Section 6 of this rule from submitting a statement of actuarial opinion in accordance with Section 8 of this rule shall include on or attach to Page 1 of the annual statement a statement of actuarial opinion rendered by an appointed actuary in accordance with Section 7 of this rule.

(2) If in the previous year a company provided a statement of actuarial opinion in accordance with Section 7 of this rule, and in the current year fails the exemption criteria of Sections 6C(1), 6C(2) or 6C(5) of this rule, to again provide an actuarial opinion in accordance with Section 7 of this rule, the statement of actuarial opinion in accordance with Section 8 of this rule, shall not be required until August 1 following the date of the annual statement. In this instance, the company shall provide a statement of actuarial opinion in accordance with Section 7 of this rule, with appropriate qualification noting the intent to subsequently provide a statement of actuarial opinion in accordance with Section 8 of this rule.

(3) In the case of a statement of actuarial opinion required to be submitted by a foreign or alien company, the commissioner may accept the statement of actuarial opinion filed by such company with the insurance supervisory regulator of another state if the commissioner determines that the opinion reasonably meets the requirements applicable to a company domiciled in this State.

(4) Upon written request by the company, the commissioner may grant an extension of the date for submission of the statement of actuarial opinion.

B. Qualified Actuary

A "qualified actuary" is an individual who:

(1) Is a member in good standing of the American Academy of Actuaries; and

(2) Is qualified to sign statements of actuarial opinion for life and disability insurance company annual statements in accordance with the American Academy of Actuaries qualification standards for actuaries signing such statements; and

(3) Is familiar with the valuation requirements applicable to life and disability insurance companies; and

(4) Has not been found by the commissioner, or if so found has subsequently been reinstated as a qualified actuary, following appropriate notice and hearing to have:

(a) Violated any provision of, or any obligation imposed by, the Utah Code or other law in the course of his or her dealings as a qualified actuary; or

(b) Been found guilty of fraudulent or dishonest practices; or

(c) Demonstrated his or her incompetency, lack of cooperation, or untrustworthiness to act as a qualified actuary; or

(d) Submitted to the commissioner during the past five years, pursuant to this rule, an actuarial opinion or memorandum that the commissioner rejected because it did not meet the provisions of this rule including standards set by the Actuarial Standards Board; or

(e) Resigned or been removed as an actuary within the past five years as a result of acts or omissions indicated in any adverse report on examination or as a result of failure to adhere to generally acceptable actuarial standards; and

(5) Has not failed to notify the commissioner of any action taken by any commissioner of any other state similar to that under Paragraph (4) above.

C. Appointed Actuary

An "appointed actuary" is a qualified actuary who is appointed or retained to prepare the Statement of Actuarial Opinion required by this rule, either directly by or by the authority of the board of directors through an executive officer of the company. The company shall give the commissioner timely written notice of the name, title, and, in the case of a consulting actuary, the name of the firm and manner of appointment or retention of each person appointed or retained by the company as an appointed actuary and shall state in such notice that the person meets the requirements set forth in Section 5B of this rule. Once notice is furnished, no further notice is required with respect to this person, provided that the company shall give the commissioner timely written notice in the event the actuary ceases to be appointed or retained as an appointed actuary or to meet the requirements set forth in Section 5B. If any person appointed or retained as an appointed actuary replaces a previously appointed actuary, the notice shall so state and give the reasons for replacement.

D. Standards for Asset Adequacy Analysis

The asset adequacy analysis required by this rule:

(1) Shall conform to the Standards of Practice as promulgated from time to time by the Actuarial Standards Board and on any additional standards under this rule, which standards are to form the basis of the statement of actuarial opinion in accordance with Section 8 of this rule; and

(2) Shall be based on methods of analysis as are deemed appropriate for such purposes by the Actuarial Standards Board.

E. Liabilities to be Covered

(1) Under authority of Section 31A-17-503, the statement of actuarial opinion shall apply to all in force business on the statement date regardless of when or where issued, e.g., reserves of Exhibits 8, 9 and 10, and claim liabilities in Exhibit 11, Part I and equivalent items in the separate account statement or statements.

(2) If the appointed actuary determines as the result of asset adequacy analysis that a reserve should be held in addition to the aggregate reserve held by the company and calculated in accordance with methods set forth in Sections 31A-17-505(1), 31A-17-505(1)(a), 31A-17-511, 31A-17-512, and 31A-17-513, the company shall establish such additional reserve.

(3) For years ending prior to December 31, 1995, the company may, in lieu of establishing the full amount of the additional reserve in the annual statement for that year, set up an additional reserve in an amount not less than the following:

December 31, 1993. The additional reserve divided by three.

December 31, 1994. Two times the additional reserve divided by three.

(4) Additional reserves established under Paragraphs (2) or (3) above and deemed not necessary in subsequent years may be released. Any amounts released must be disclosed in the actuarial opinion for the applicable year. The release of such reserves would not be deemed an adoption of a lower standard of valuation.

R590-162-6. Required Opinions.

A. General

In accordance with Section 31A-17-503, every company doing business in this State shall annually submit the opinion of an appointed actuary as provided for by this rule. The type of opinion submitted shall be determined by the provisions set forth in this Section 6 and shall be in accordance with the applicable provisions in this rule.

B. Company Categories

For purposes of this rule, companies shall be classified as follows based on the admitted assets as of the end of the calendar year for which the actuarial opinion is applicable:

(1) Category A shall consist of those companies whose admitted assets do not exceed $20 million;

(2) Category B shall consist of those companies whose admitted assets exceed $20 million but do not exceed $100 million;

(3) Category C shall consist of those companies whose admitted assets exceed $100 million but do not exceed $500 million; and

(4) Category D shall consist of those companies whose admitted assets exceed $500 million.

C. Exemption Eligibility Tests

(1) Any Category A company that, for any year beginning with the year in which this rule becomes effective, meets all of the following criteria shall be eligible for exemption from submission of a statement of actuarial opinion in accordance with Section 8 of this rule for the year in which these criteria are met. The ratios in (a), (b) and (c) below shall be calculated based on amounts as of the end of the calendar year for which the actuarial opinion is applicable.

(a) The ratio of the sum of capital and surplus to the sum

of cash and invested assets is at least equal to .10.

(b) The ratio of the sum of the reserves and liabilities for annuities and deposits to the total admitted assets is less than .30.

(c) The ratio of the book value of the non-investment grade bonds to the sum of capital and surplus is less than .50.

(d) The Examiner Team for the National Association of Insurance Commissioners (NAIC) has not designated the company as a first priority company in any of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or a second priority company in each of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or the company has resolved the first or second priority status to the satisfaction of the commissioner of the state of domicile and the commissioner has so notified the chair of the NAIC Life and Health Actuarial Task Force and the NAIC Staff and Support Office.

(2) Any Category B company that, for any year beginning with the year in which this rule becomes effective, meets all of the following criteria shall be eligible for exemption from submission of a statement of actuarial opinion in accordance with Section 8 of this rule for the year in which the criteria are met. The ratios in (a), (b) and (c) below shall be calculated based on amounts as of the end of the calendar year for which the actuarial opinion is applicable.

(a) The ratio of the sum of capital and surplus to the sum of cash and invested assets is at least equal to .07.

(b) The ratio of the sum of the reserves and liabilities for annuities and deposits to the total admitted assets is less than .40.

(c) The ratio of the book value of the non-investment grade bonds to the sum of capital and surplus is less than .50.

(d) The Examiner Team for the National Association of Insurance Commissioners (NAIC) has not designated the company as a first priority company in any of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or a second priority company in each of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or the company has resolved the first or second priority status to the satisfaction of the commissioner of the state of domicile and the commissioner has so notified the chair of the NAIC Life and Health Actuarial Task Force and the NAIC Staff and Support Office.

(3) Any Category A or Category B company that meets all of the criteria set forth in Paragraph (1) or (2) of this subsection, whichever is applicable, is exempted from submission of a statement of actuarial opinion in accordance with Section 8 of this rule unless the commissioner specifically indicates to the company that the exemption is not to be taken.

(4) Any Category A or Category B company that, for any year beginning with the year in which this rule becomes effective, is not exempted under Paragraph (3) of this subsection shall be required to submit a statement of actuarial opinion in accordance with Section 8 of this rule for the year for which it is not exempt.

(5) Any Category C company that, after submitting an opinion in accordance with Section 8 of this rule, meets all of the following criteria shall not be required, unless required in accordance with Paragraph (6) below, to submit a statement of actuarial opinion in accordance with Section 8 of this rule more frequently than every third year. Any Category C company which fails to meet all of the following criteria for any year shall submit a statement of actuarial opinion in accordance with Section 8 of this rule for that year. The ratios in (a), (b) and (c) below shall be calculated based on amounts as of the end of the calendar year for which the actuarial opinion is applicable.

(a) The ratio of the sum of capital and surplus to the sum of cash and invested assets is at least equal to .05.

(b) The ratio of the sum of the reserves and liabilities for annuities and deposits to the total admitted assets is less than .50.

(c) The ratio of the book value of the non-investment grade bonds to the sum of the capital and surplus is less than .50.

(d) The Examiner Team for the NAIC has not designated the company as a first priority company in any of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or a second priority company in each of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or the company has resolved the first or second priority status to the satisfaction of the commissioner of the state of domicile and the commissioner has so notified the chair of the NAIC Life and Health Actuarial Task Force and the NAIC Staff and Support Office.

(6) Any company which is not required by this Section 6 to submit a statement of actuarial opinion in accordance with Section 8 of this rule for any year shall submit a statement of actuarial opinion in accordance with Section 7 of this rule for that year unless as provided for by the second paragraph of Section 3 of this rule the commissioner requires a statement of actuarial opinion in accordance with Section 8 of this rule.

D. Large Companies

Every Category D company shall submit a statement of actuarial opinion in accordance with Section 8 of this rule for each year beginning with the year in which this rule becomes effective.

R590-162-7. Statement of Actuarial Opinion Not Including an Asset Adequacy Analysis.

A. General Description

The statement of actuarial opinion required by this section shall consist of a paragraph identifying the appointed actuary and his or her qualifications; a regulatory authority paragraph stating that the company is exempt pursuant to this rule from submitting a statement of actuarial opinion based on an asset adequacy analysis and that the opinion, which is not based on an asset adequacy analysis, is rendered in accordance with Section 7 of this rule; a scope paragraph identifying the subjects on which the opinion is to be expressed and describing the scope of the appointed actuary's work; and an opinion paragraph expressing the appointed actuary's opinion as required by Section 31A-17-503.

B. Recommended Language

The following language provided is that which in typical circumstances would be included in a statement of actuarial opinion in accordance with this section. The language may be modified as needed to meet the circumstances of a particular case, but the appointed actuary should use language which

clearly expresses his or her professional judgment. However, in any event the opinion shall retain all pertinent aspects of the language provided in Section 7 of this rule.

(1) The opening paragraph should indicate the appointed actuary's relationship to the company. For a company actuary, the opening paragraph of the actuarial opinion should read as follows:

"I, (name of actuary), am (title) of (name of company) and a member of the American Academy of Actuaries. I was appointed by, or by the authority of, the Board of Directors of said insurer to render this opinion as stated in the letter to the commissioner dated (insert date). I meet the Academy qualification standards for rendering the opinion and am familiar with the valuation requirements applicable to life and disability companies."

For a consulting actuary, the opening paragraph of the actuarial opinion should contain a sentence such as:

"I, (name and title of actuary), a member of the American Academy of Actuaries, am associated with the firm of (insert name of consulting firm). I have been appointed by, or by the authority of, the Board of Directors of (name of company) to render this opinion as stated in the letter to the commissioner dated (insert date). I meet the Academy qualification standards for rendering the opinion and am familiar with the valuation requirements applicable to life and disability insurance companies."

(2) The regulatory authority paragraph should include a statement such as the following: "Said company is exempt pursuant to Rule (insert designation) of the (name of state) Insurance Department from submitting a statement of actuarial opinion based on an asset adequacy analysis. This opinion, which is not based on an asset adequacy analysis, is rendered in accordance with Section 7 of the rule."

(3) The scope paragraph should contain a sentence such as the following: "I have examined the actuarial assumptions and actuarial methods used in determining reserves and related actuarial items listed below, as shown in the annual statement of the company, as prepared for filing with state regulatory officials, as of December 31, ( )."

The paragraph should list items and amounts with respect to which the appointed actuary is expressing an opinion. The list should include but not be necessarily limited to:

(a) Aggregate reserve and deposit funds for policies and contracts included in Exhibit 8;

(b) Aggregate reserve and deposit funds for policies and contracts included in Exhibit 9;

(c) Deposit funds, premiums, dividend and coupon accumulations and supplementary contracts not involving life contingencies included in Exhibit 10; and

(d) Policy and contract claims--liability end of current year included in Exhibit 11, Part I.

(4) If the appointed actuary has examined the underlying records, the scope paragraph should also include the following:

"My examination included such review of the actuarial assumptions and actuarial methods and of the underlying basic records and such tests of the actuarial calculations as I considered necessary."

(5) If the appointed actuary has not examined the underlying records, but has relied upon listings and summaries of policies in force prepared by the company or a third party, the scope paragraph should include a sentence such as one of the following:

"I have relied upon listings and summaries of policies and contracts and other liabilities in force prepared by (name and title of company officer certifying in force records) as certified in the attached statement. (See accompanying affidavit by a company officer.) In other respects my examination included review of the actuarial assumptions and actuarial methods and such tests of the actuarial calculations as I considered necessary."

or

"I have relied upon (name of accounting firm) for the substantial accuracy of the in force records inventory and information concerning other liabilities, as certified in the attached statement. In other respects my examination included review of the actuarial assumptions and actuarial methods and such tests of the actuarial calculations as I considered necessary."

The statement of the person certifying shall follow the form indicated by Section 7B(10) of this rule.

(6) The opinion paragraph should include the following:

"In my opinion the amounts carried in the balance sheet on account of the actuarial items identified above:

(a) Are computed in accordance with those presently accepted actuarial standards which specifically relate to the opinion required under this section;

(b) Are based on actuarial assumptions which produce reserves at least as great as those called for in any contract provision as to reserve basis and method, and are in accordance with all other contract provisions;

(c) Meet the requirements of the Insurance Law and rules of the state of (state of domicile) and are at least as great as the minimum aggregate amounts required by the state in which this statement is filed.

(d) Are computed on the basis of assumptions consistent with those used in computing the corresponding items in the annual statement of the preceding year-end with any exceptions as noted below; and

(e) Include provision for all actuarial reserves and related statement items which ought to be established.

The actuarial methods, considerations and analyses used in forming my opinion conform to the appropriate Compliance Guidelines as promulgated by the Actuarial Standards Board, which guidelines form the basis of this statement of opinion."

(7) The concluding paragraph should document the eligibility for the company to provide an opinion as provided by this Section 7. It shall include the following:

"This opinion is provided in accordance with Section 7 of the NAIC Actuarial Opinion and Memorandum Rule. As such it does not include an opinion regarding the adequacy of reserves and related actuarial items when considered in light of the assets which support them.

Eligibility for Section 7 of this rule is confirmed as follows:

(a) The ratio of the sum of capital and surplus to the sum of cash and invested assets is (insert amount), which equals or exceeds the applicable criterion based on the admitted assets of the company specified in Section 6C of this rule.

(b) The ratio of the sum of the reserves and liabilities for annuities and deposits to the excess of the total admitted assets is (insert amount), which is less than the applicable criteria based on the admitted assets of the company specified in Section 6C of this rule.

(c) The ratio of the book value of the non-investment grade bonds to the sum of capital and surplus is (insert amount), which is less than the applicable criteria of .50.

(d) To my knowledge, the NAIC Examiner Team has not designated the company as a first priority company in any of the two calendar years preceding the calendar year for which the actuarial opinion is applicable, or a second priority company in each of the two calendar years preceding the calendar year for which the actuarial opinion is applicable or the company has resolved the first or second priority status to the satisfaction of the commissioner of the state of domicile.

(e) To my knowledge there is not a specific request from any commissioner requiring an asset adequacy analysis opinion.

.....
Signature of Appointed Actuary

.....
Address of Appointed Actuary

.....
Telephone Number of Appointed Actuary"

(8) If there has been any change in the actuarial assumptions from those previously employed, that change should be described in the annual statement or in a paragraph of the statement of actuarial opinion, and the reference in Section 7B(6)(d) above to consistency should read as follows:

"... with the exception of the change described on Page ( ) of the annual statement (or in the preceding paragraph)."

The adoption for new issues or new claims or other new liabilities of an actuarial assumption which differs from a corresponding assumption used for prior new issues or new claims or other new liabilities is not a change in actuarial assumptions within the meaning of this paragraph.

(9) If the appointed actuary is unable to form an opinion, he or she shall refuse to issue a statement of actuarial opinion. If the appointed actuary's opinion is adverse or qualified, he or she shall issue an adverse or qualified actuarial opinion explicitly stating the reason(s) for such opinion. This statement should follow the scope paragraph and precede the opinion paragraph.

(10) If the appointed actuary does not express an opinion as to the accuracy and completeness of the listings and summaries of policies in force, there should be attached to the opinion, the statement of a company officer or accounting firm who prepared such underlying data similar to the following:

"I (name of officer), (title) of (name and address of company or accounting firm), hereby affirm that the listings and summaries of policies and contracts in force as of December 31, ( ), prepared for and submitted to (name of appointed actuary), were prepared under my direction and, to the best of my knowledge and belief, are substantially accurate and complete.

.....
Signature of the Officer of the Company
or Accounting Firm

.....
Address of the Officer of the Company
or Accounting Firm

.....
Telephone Number of the Officer of the
Company or Accounting Firm"

R590-162-8. Statement of Actuarial Opinion Based On an Asset Adequacy Analysis.

A. General Description

The statement of actuarial opinion submitted in accordance with this section shall consist of:

(1) A paragraph identifying the appointed actuary and his or her qualifications as specified in Section 8B(1) of this rule;

(2) A scope paragraph identifying the subjects on which an opinion is to be expressed and describing the scope of the appointed actuary's work, including a tabulation delineating the reserves and related actuarial items which have been analyzed for asset adequacy and the method of analysis, as specified in Section 8B(2) of this rule, and identifying the reserves and related actuarial items covered by the opinion which have not been so analyzed;

(3) A reliance paragraph describing those areas, if any, where the appointed actuary has deferred to other experts in developing data, procedures or assumptions, e.g., anticipated cash flows from currently owned assets, including variation in cash flows according to economic scenarios, as specified in Section 8B(3) of this rule, supported by a statement of each such expert in the form prescribed by Section 8E of this rule; and

(4) An opinion paragraph expressing the appointed actuary's opinion with respect to the adequacy of the supporting assets to mature the liabilities, as specified in Section 8B(6) of this rule.

(5) One or more additional paragraphs will be needed in individual company cases as follows:

(a) If the appointed actuary considers it necessary to state a qualification of his or her opinion;

(b) If the appointed actuary must disclose the method of aggregation for reserves of different products or lines of business for asset adequacy analysis;

(c) If the appointed actuary must disclose reliance upon any portion of the assets supporting the Asset Valuation Reserve (AVR), Interest Maintenance Reserve (IMR) or other mandatory or voluntary statement of reserves for asset adequacy analysis.

(d) If the appointed actuary must disclose an inconsistency in the method of analysis or basis of asset allocation used at the prior opinion date with that used for this opinion.

(e) If the appointed actuary must disclose whether additional reserves of the prior opinion date are released as of this opinion date, and the extent of the release.

(f) If the appointed actuary chooses to add a paragraph briefly describing the assumptions which form the basis for the actuarial opinion.

B. Recommended Language

The following paragraphs are to be included in the statement of actuarial opinion in accordance with this section. Language is that which in typical circumstances should be included in a statement of actuarial opinion. The language may be modified as needed to meet the circumstances of a particular case, but the appointed actuary should use language which clearly expresses his or her professional judgment. However, in any event the opinion shall retain all pertinent aspects of the language provided in this section.

(1) The opening paragraph should generally indicate the appointed actuary's relationship to the company and his or her qualifications to sign the opinion. For a company actuary, the opening paragraph of the actuarial opinion should read as follows:

"I, (name), am (title) of (insurance company name) and a member of the American Academy of Actuaries. I was appointed by, or by the authority of, the Board of Directors of said insurer to render this opinion as stated in the letter to the commissioner dated (insert date). I meet the Academy qualification standards for rendering the opinion and am familiar with the valuation requirements applicable to life and disability insurance companies."

For a consulting actuary, the opening paragraph should contain a sentence such as:

"I, (name), a member of the American Academy of Actuaries, am associated with the firm of (name of consulting firm). I have been appointed by, or by the authority of, the Board of Directors of (name of company) to render this opinion as stated in the letter to the commissioner dated (insert date). I meet the Academy qualification standards for rendering the opinion and am familiar with the valuation requirements applicable to life and disability insurance companies."

(2) The scope paragraph should include a statement such as the following:

"I have examined the actuarial assumptions and actuarial methods used in determining reserves and related actuarial items listed below, as shown in the annual statement of the company, as prepared for filing with state regulatory officials, as of December 31, 19( ). Tabulated below are those reserves and related actuarial items which have been subjected to asset adequacy analysis.

(3) If the appointed actuary has relied on other experts to develop certain portions of the analysis, the reliance paragraph should include a statement such as the following:

"I have relied on (name), (title) for (e.g., anticipated cash flows from currently owned assets, including variations in cash flows according to economic scenarios) and, as certified in the attached statement, ..."

or

"I have relied on personnel as cited in the supporting memorandum for certain critical aspects of the analysis in reference to the accompanying statement."

Such a statement of reliance on other experts should be accompanied by a statement by each of such experts of the form prescribed by Section 8E of this rule.

(4) If the appointed actuary has examined the underlying asset and liability records, the reliance paragraph should also include the following:

"My examination included such review of the actuarial assumptions and actuarial methods and of the underlying basic asset and liability records and such tests of the actuarial calculations as I considered necessary."

(5) If the appointed actuary has not examined the underlying records, but has relied upon listings and summaries of policies in force and/or asset records prepared by the company or a third party, the reliance paragraph should include a sentence such as:

"I have relied upon listings and summaries (of policies and contracts, of asset records) prepared by (name and title of company officer certifying in-force records) as certified in the attached statement. In other respects my examination included such review of the actuarial assumptions and actuarial methods and such tests of the actuarial calculations as I considered necessary."

or

"I have relied upon (name of accounting firm) for the substantial accuracy of the in-force records inventory and information concerning other liabilities, as certified in the attached statement. In other respects my examination included review of the actuarial assumptions and actuarial methods and tests of the actuarial calculations as I considered necessary."

Such a section must be accompanied by a statement by each person relied upon of the form prescribed by Section 8E of this rule.

(6) The opinion paragraph should include the following:

"In my opinion the reserves and related actuarial values concerning the statement items identified above:

(a) Are computed in accordance with presently accepted actuarial standards consistently applied and are fairly stated, in accordance with sound actuarial principles;

(b) Are based on actuarial assumptions which produce reserves at least as great as those called for in any contract provision as to reserve basis and method, and are in accordance with all other contract provisions;

(c) Meet the requirements of the Insurance Law and rule of the state of (state of domicile) and are at least as great as the minimum aggregate amounts required by the state in which this statement is filed.

(d) Are computed on the basis of assumptions consistent with those used in computing the corresponding items in the annual statement of the preceding year-end (with any exceptions noted below);

(e) Include provision for all actuarial reserves and related statement items which ought to be established.

The reserves and related items, when considered in light of the assets held by the company with respect to such reserves and related actuarial items including, but not limited to, the investment earnings on such assets, and the considerations anticipated to be received and retained under such policies and contracts, make adequate provision, according to presently accepted actuarial standards of practice, for the anticipated cash flows required by the contractual obligations and related expenses of the company.

The actuarial methods, considerations and analyses used in

forming my opinion conform to the appropriate Standards of Practice as promulgated by the Actuarial Standards Board, which standards form the basis of this statement of opinion.

This opinion is updated annually as required by statute. To the best of my knowledge, there have been no material changes from the applicable date of the annual statement to the date of the rendering of this opinion which should be considered in reviewing this opinion.

or

The following material change(s) which occurred between the date of the statement for which this opinion is applicable and the date of this opinion should be considered in reviewing this opinion: (Describe the change or changes.)

The impact of unanticipated events subsequent to the date of this opinion is beyond the scope of this opinion. The analysis of asset adequacy portion of this opinion should be viewed recognizing that the company's future experience may not follow all the assumptions used in the analysis.

.....
Signature of Appointed Actuary

.....
Address of Appointed Actuary

.....
Telephone Number of Appointed Actuary"

C. Assumptions for New Issues

The adoption for new issues or new claims or other new liabilities of an actuarial assumption which differs from a corresponding assumption used for prior new issues or new claims or other new liabilities is not a change in actuarial assumptions within the meaning of this Section 8.

D. Adverse Opinions

If the appointed actuary is unable to form an opinion, then he or she shall refuse to issue a statement of actuarial opinion. If the appointed actuary's opinion is adverse or qualified, then he or she shall issue an adverse or qualified actuarial opinion explicitly stating the reason(s) for such opinion. This statement should follow the scope paragraph and precede the opinion paragraph.

E. Reliance on Data Furnished by Other Persons

If the appointed actuary does not express an opinion as to the accuracy and completeness of the listings and summaries of policies in force and/or asset oriented information, there shall be attached to the opinion the statement of a company officer or accounting firm who prepared such underlying data similar to the following:

"I (name of officer), (title), of (name of company or accounting firm), hereby affirm that the listings and summaries of policies and contracts in force as of December 31, 19( ), and other liabilities prepared for and submitted to (name of appointed actuary) were prepared under my direction and, to the best of my knowledge and belief, are substantially accurate and complete.

.....
Signature of the Officer of the Company
or Accounting Firm

.....
Address of the Officer of the Company
or Accounting Firm

.....
Telephone Number of the Officer of the
Company or Accounting Firm"

and/or

"I, (name of officer), (title) of (name of company, accounting firm, or security analyst), hereby affirm that the listings, summaries and analyses relating to data prepared for and submitted to (name of appointed actuary) in support of the asset-oriented aspects of the opinion were prepared under my direction and, to the best of my knowledge and belief, are substantially accurate and complete.

.....
Signature of the Officer of the Company,
Accounting Firm or the Security Analyst

.....
Address of the Officer of the Company,
Accounting Firm or the Security Analyst

.....
Telephone Number of the Officer of the
Company, Accounting Firm or
the Security Analyst"

R590-162-9. Description of Actuarial Memorandum Including an Asset Adequacy Analysis.

A. General

(1) In accordance with Section 31A-17-503, the appointed actuary shall prepare a memorandum to the company describing the analysis done in support of his or her opinion regarding the reserves under a Section 8 opinion. The memorandum shall be made available for examination by the commissioner upon his or her request but shall be returned to the company after such examination and shall not be considered a record of the insurance department or subject to automatic filing with the commissioner.

(2) In preparing the memorandum, the appointed actuary may rely on, and include as a part of his or her own memorandum, memoranda prepared and signed by other actuaries who are qualified within the meaning of Section 5B of this rule, with respect to the areas covered in such memoranda, and so state in their memoranda.

(3) If the commissioner requests a memorandum and no such memorandum exists or if the commissioner finds that the

analysis described in the memorandum fails to meet the standards of the Actuarial Standards Board or the standards and requirements of this rule, the commissioner may designate a qualified actuary to review the opinion and prepare such supporting memorandum as is required for review. The reasonable and necessary expense of the independent review shall be paid by the company but shall be directed and controlled by the commissioner.

(4) The reviewing actuary shall have the same status as an examiner for purposes of obtaining data from the company and the work papers and documentation of the reviewing actuary shall be retained by the commissioner; provided, however, that any information provided by the company to the reviewing actuary and included in the work papers shall be considered as material provided by the company to the commissioner and shall be kept confidential to the same extent as is prescribed by law with respect to other material provided by the company to the commissioner pursuant to the statute governing this rule. The reviewing actuary shall not be an employee of a consulting firm involved with the preparation of any prior memorandum or opinion for the insurer pursuant to this rule for any one of the current year or the preceding three years.

B. Details of the Memorandum Section Documenting Asset Adequacy Analysis of Section 8 of this rule.

When an actuarial opinion under Section 8 of this rule is provided, the memorandum shall demonstrate that the analysis has been done in accordance with the standards for asset adequacy referred to in Section 5D of this rule and any additional standards under this rule. It shall specify:

(1) For reserves:

(a) Product descriptions including market description, underwriting and other aspects of a risk profile and the specific risks the appointed actuary deems significant;

(b) Source of liability in force;

(c) Reserve method and basis;

(d) Investment reserves;

(e) Reinsurance arrangements.

(2) For assets:

(a) Portfolio descriptions, including a risk profile disclosing the quality, distribution and types of assets;

(b) Investment and disinvestment assumptions;

(c) Source of asset data;

(d) Asset valuation bases.

(3) Analysis basis:

(a) Methodology;

(b) Rationale for inclusion/exclusion of different blocks of business and how pertinent risks were analyzed;

(c) Rationale for degree of rigor in analyzing different blocks of business;

(d) Criteria for determining asset adequacy;

(e) Effect of federal income taxes, reinsurance and other relevant factors.

(4) Summary of Results

(5) Conclusion(s)

C. Conformity to Standards of Practice

The memorandum shall include a statement:

"Actuarial methods, considerations and analyses used in the preparation of this memorandum conform to the appropriate Standards of Practice as promulgated by the Actuarial Standards Board, which standards form the basis for this memorandum."

R590-162-10. Additional Considerations for Analysis.

A. Aggregation

For the asset adequacy analysis for the statement of actuarial opinion provided in accordance with Section 8 of this rule, reserves and assets may be aggregated by either of the following methods:

(1) Aggregate the reserves and related actuarial items, and the supporting assets, for different products or lines of business, before analyzing the adequacy of the combined assets to mature the combined liabilities. The appointed actuary must be satisfied that the assets held in support of the reserves and related actuarial items so aggregated are managed in such a manner that the cash flows from the aggregated assets are available to help mature the liabilities from the blocks of business that have been aggregated.

(2) Aggregate the results of asset adequacy analysis of one or more products or lines of business, the reserves for which prove through analysis to be redundant, with the results of one or more products or lines of business, the reserves for which prove through analysis to be deficient. The appointed actuary must be satisfied that the asset adequacy results for the various products or lines of business for which the results are so aggregated:

(a) Are developed using consistent economic scenarios, or

(b) Are subject to mutually independent risks, i.e., the likelihood of events impacting the adequacy of the assets supporting the redundant reserves is completely unrelated to the likelihood of events impacting the adequacy of the assets supporting the deficient reserves. In the event of any aggregation, the actuary must disclose in his or her opinion that such reserves were aggregated on the basis of method (1), (2)(a) or (2)(b) above, whichever is applicable, and describe the aggregation in the supporting memorandum.

B. Selection of Assets for Analysis

The appointed actuary shall analyze only those assets held in support of the reserves which are the subject for specific analysis, hereafter called "specified reserves." A particular asset or portion thereof supporting a group of specified reserves cannot support any other group of specified reserves. An asset may be allocated over several groups of specified reserves. The annual statement value of the assets held in support of the reserves shall not exceed the annual statement value of the specified reserves, except as provided in Subsection C below. If the method of asset allocation is not consistent from year to year, the extent of its inconsistency should be described in the supporting memorandum.

C. Use of Assets Supporting the Interest Maintenance Reserve and the Asset Valuation Reserve:

An appropriate allocation of assets in the amount of the Interest Maintenance Reserve (IMR), whether positive or negative, must be used in any asset adequacy analysis. Analysis of risks regarding asset default may include an appropriate allocation of assets supporting the Asset Valuation Reserve (AVR); these AVR assets may not be applied for any other risks with respect to reserve adequacy.

Analysis of these and other risks may include assets supporting other mandatory or voluntary reserves available to the extent not used for risk analysis and reserve support. The amount of the assets used for the AVR must be disclosed in the Table of Reserves and Liabilities of the opinion and in the memorandum. The method used for selecting particular assets or allocated portions of assets must be disclosed in the memorandum.

D. Required Interest Scenarios

For the purpose of performing the asset adequacy analysis required by this rule, the qualified actuary is expected to follow standards adopted by the Actuarial Standards Board; nevertheless, the appointed actuary must consider in the analysis the effect of at least the following interest rate scenarios:

(1) Level with no deviation;

(2) Uniformly increasing over ten years at a half percent per year and then level;

(3) Uniformly increasing at one percent per year over five years and then uniformly decreasing at one percent per year to the original level at the end of ten years and then level;

(4) An immediate increase of 3% and then level;

(5) Uniformly decreasing over ten years at a half percent per year and then level;

(6) Uniformly decreasing at one percent per year over five years and then uniformly increasing at one percent per year to the original level at the end of ten years and then level; and

(7) An immediate decrease of 3% and then level.

For these and other scenarios which may be used, projected interest rates for a five year Treasury Note need not be reduced beyond the point where the five year Treasury Note yield would be at 50% of its initial level.

The beginning interest rates may be based on interest rates for new investments as of the valuation date similar to recent investments allocated to support the product being tested or be based on an outside index, such as Treasury yields, of assets of the appropriate length on a date close to the valuation date.

Whatever method is used to determine the beginning yield curve and associated interest rates should be specifically defined. The beginning yield curve and associated interest rates should be consistent for all interest rate scenarios.

E. Documentation

The appointed actuary shall retain on file, for at least seven years, sufficient documentation so that it will be possible to determine the procedures followed, the analyses performed, the bases for assumptions and the results obtained.

KEY: insurance
1994 31A-17-503
Notice of Continuation December 1, 1998

R590. Insurance, Administration.
R590-163. Filing Quarterly Statements.
R590-163-1. Authority.

This rule is promulgated pursuant to the general rulemaking authority vested in the commissioner by Section 31A-2-201 and Section 31A-2-202.

R590-163-2. Scope.

This rule applies to all insurers domiciled in the State of Utah.

R590-163-3. Definitions.

For the purpose of this rule, "Insurer" includes all licensees who are licensed under Title 31A, Chapters 5, 7, 8, 9, and 11 of the Utah Code.

R590-163-4. Rule.

All domestic insurers shall file quarterly statements with the Utah Insurance Department. The statements shall be prepared in accordance with the instructions and the accounting practices and procedures manual adopted by the National Association of Insurance Commissioners.

The first quarterly statement for the quarter ending March 31st shall be filed before May 16th. The second quarterly statement for the quarter ending June 30th shall be filed before August 16th, and the third quarterly statement for the quarter ending September 30th shall be filed before November 16th. The fourth quarterly statement is contained within the annual statement filing required under Section 31A-4-113 of the Utah Code.

All statements shall be filed in duplicate, one may be a copy, and one statement shall be signed and verified by the oaths of at least two of the insurer's principal officers.

R590-163-5. Severability.

If any provision of this rule or the application thereof to any person or circumstance is, for any reason, held to be invalid, the remainder of the rule and the application of the provision to other persons or circumstances may not be affected.

KEY: insurance
1994 31A-2-201
Notice of Continuation December 1, 1998 31A-2-202

R612. Labor Commission, Industrial Accidents.
R612-2. Workers' Compensation Rules-Health Care Providers.
R612-2-1. Definitions.

A. All definitions in Rule R612-1 apply to this section.

B. "Medical Practitioner" - means any person trained in the healing arts and licensed by the State in which such person practices.

C. "Global Fee Cases" - are those flat fee cases where fees include pre-operative and follow-up or aftercare.

R612-2-2. Authority.

This rule is enacted under the authority of Section 34A-1-104.

R612-2-3. Filings.

A. Within one week following the initial examination of an industrial patient, physicians and chiropractors, shall file "Form 123 - Physicians' Initial Report" with the carrier/self-insured employer, employee, and the division. This form is to be completed in as much detail as feasible. Special care should be used to make sure that the employee's account of how the accident occurred is completely and accurately reported. All questions are to be answered or marked "N/A" if not applicable in each particular instance. All addresses must include city, state, and zip code. If modified employment in #29 is marked "yes," the remarks in #29 must reflect the particular restrictions or limitations that apply, whether as to activity or time per day or both. Estimated time loss must also be given in #29. If "Findings of Examination" (#17) do not correctly reflect the coding used in billing, a reduction of payment may be made to reflect the proper coding.

B. 1. Any medical provider billing under the restorative services section of the Labor Commission's Relative Value Schedule (RVS) shall file the Restorative Services Authorization (RSA) form with the insurance carrier or self-insured employer (payor) and the division within ten days of the initial evaluation.

2. Upon receipt of the provider's RSA form, the payor has ten days to respond, either authorizing a specified number of visits or denying the request. No more than eight visits may be incurred during the authorization process.

3. After the initial RSA form is filed with the payor and the division, an updated RSA form must be filed for approval or denial at least every six visits until a fixed state of recovery has been achieved as evidenced by either subjective or objective findings. If the medical provider has filed the RSA form per this rule, the payor is responsible for payment, unless compensability is denied by the payor. In the event the payor denies the entire compensability of a claim, the payor shall so notify the claimant, provider, and the division, after which the provider may then bill the claimant.

4. Any denial of payment for treatment must be based on a written medical opinion or medical information. The denial notification shall include a copy of the written medical opinion or information from which the denial was based. The payor is not liable for payment of treatment after the provider, claimant, and division have been notified in writing of the denial for authorization to pay for treatment. The claimant may then become responsible for payment.

5. Any dispute regarding authorization or denial for treatment will be determined from the date the division received the RSA form or notification of denial for payment of treatment.

6. The claimant may request a hearing before the Division of Adjudication to resolve compensability or treatment issues.

7. Subjective objective assessment plan/procedure (SOAP notes) or progress notes are to be sent to the payor in addition to the RSA form.

8. Any medical provider billing under the Restorative Services Section of the RVS who fails to submit the required RSA form shall be limited to payment of up to eight visits for a compensable claim. The medical provider may not bill the patient or employer for any remaining balances.

C. S.O.A.P. notes or progress reports of each visit are to be sent to the payor by all medical practitioners substantiating the care given, the need for further treatment, the date of the next treatment, the progress of the patient, and the expected return-to-work date. These reports must be sent with each bill for the examination and treatment given to receive payment. S.O.A.P. notes are not to be sent to the division unless specifically requested.

D. "Form 110 - Release to Return to Work" must be mailed by either the medical practitioner or carrier/employer to the employee and the division within five calendar days of release.

E. The carrier/employer may request medical reports in addition to regular progress reports. A charge may be made for such additional reports, which charge should accurately reflect the time and effort expended by the physician.

R612-2-4. Hospital or Surgery Pre-Authorization.

Any ambulatory surgery or impatient hospitalization other than a life or limb threatening admission, allegedly related to an industrial injury or occupational disease, shall require pre-authorization by the employer/insurance carrier. Within two working days of a telephone request for pre-authorization, the employer/carrier shall notify the physician and employee of approval or denial of the surgery or hospitalization, or that a medical examination or review is going to be obtained. The medical examination/review must be conducted without undue delay which in most circumstances would be considered less than thirty days. If the request for pre-authorization is made in writing, the employer/carrier shall have four days from receipt of the request to notify the physician and employee. If the employee chooses to be hospitalized and/or to have the surgery prior to such pre-authorization or medical examination/review, the employee may be personally responsible for the bills incurred and may not be reimbursed for the time lost unless a determination is made in his/her favor.

R612-2-5. Regulation of Medical Practitioner Fees.

Pursuant to Section 34A-2-407:

A. The Labor Commission of Utah:

1. Establishes and regulates fees and other charges for

medical, surgical, nursing, physical and occupational therapy, mental health, chiropractic, naturopathic, and osteopathic services, or any other area of the healing arts as required for the treatment of an industrially injured employee.

2. Establishes the following conversion factors per unit of the Relative Value Schedule for medical treatment resulting from an industrial injury or occupational disease, effective January 1, 1999:

Anesthesiology $29.02
Medicine $1.42
Pathology and Laboratory $1.42
Radiology $1.47
Restorative Medicine $1.42
Surgery $18.42

3. Revises the codes and procedures within the Relative Value Schedule after analysis and study of the Medical Fee Advisory Committee recommendations. The Relative Value Schedule can be obtained from the division for a fee sufficient to recover costs of development, printing, and mailing.

4. Decides appropriate billing procedure codes when disputes arise between the medical practitioner and the employer or its insurance carrier. In no instance will the medical practitioner bill both the employer and the insurance carrier.

B. Employees cannot be billed for treatment of their industrial injuries or occupational diseases.

C. Discounting from the fees established by the Labor Commission is allowed only through specific contracts between a medical provider and a payor for treatment of industrial injured/ill patients.

D. Restocking fee 15%. Rule R612-2-15 covers the restocking fee.

E. Dental fees are not published. Rule R612-2-17 covers dental injuries.

F. Ambulance fees are not published. Rule R612-2-19 covers ambulance charges.

R612-2-6. Fees in Cases Requiring Unusual Treatment.

The scheduled fees are maximum fees except that fees higher than scheduled may be authorized by the Commission when extraordinary difficulties encountered by the physician justify increased charges and are documented by written reports.

R612-2-7. Insurance Carrier's Privilege to Examine.

The employer or the employer's insurance carrier or a self-insured employer shall have the privilege of medical examination of an injured employee at any reasonable time. A copy of the medical examination report shall be made available to the Commission at any time upon request of the Commission.

R612-2-8. Who May Attend Industrial Patients.

A. The employer has first choice of physicians; but if the employer fails or refuses to provide medical attention, the employee has the choice of physicians.

B. An employee of an employer with an approved medical program may procure the services of any qualified practitioner for emergency treatment if a physician employed in the program is not available for any reason.

R612-2-9. Changes of Doctors and Hospitals.

A. It shall be the responsibility of the insurance carrier or self-insured employer to notify each claimant of the change of doctor rules. Those rules are as follows:

1. If a company doctor, designated facility or PPO is named, the employee must first treat with that designated provider. The insurance carrier or self-insured employer shall be responsible for payment for the initial visit, less any health insurance copays and subject to any health insurance reimbursement, if the employee was directed to and treated by the employer's or insurance carrier's designated provider, and liability for the claim is denied and if the treating physician provided treatment in good faith and provided the insurance carrier or self-insured employer a report necessary to make a determination of liability. Diagnostic studies beyond plain x-rays would need prior approval unless the claimed industrial injury or occupational illness required emergency diagnosis and treatment.

2. The employee may make one change of doctor without requesting the permission of the carrier, so long as the carrier is promptly notified of the change by the employee.

(a) Physician referrals for treatment or consultation shall not be considered a change of doctor.

(b) Changes from emergency room facilities to private physicians, unless the emergency room is named as the "company doctor", shall not be considered a change of doctor. However, once private physician care has begun, emergency room visits are prohibited except in cases of:

(i) Private physician referral, or

(ii) Threat to life.

3. Regardless of prior changes, a change of doctor shall be automatically approved if the treating physician fails or refuses to rate permanent partial impairment.

B. Any changes beyond those listed above made without the permission of the carrier/self-insurer may be at the employee's own expense if:

1. The employee has received notification of rules, or

2. A denial of request is made.

C. An injured employee who knowingly continues care after denial of liability by the carrier may be individually responsible for payment. It shall be the burden of the carrier to prove that the patient was aware of the denial.

D. It shall be the responsibility of the employee to make the proper filings with the division when changing locale and doctor. Those forms can be obtained from the division.

E. Except in special cases where simultaneous attendance by two or more medical care practitioners has been approved by the carrier/employer or the division, or specialized services are being provided the employee by another physician under the supervision and/or by the direct referral of the treating physician, the injured employee may be attended by only one practitioner and fees will not be paid to two practitioners for similar care during the same period of time.

F. The Commission has jurisdiction to decide liability for medical care allegedly related to an industrial accident.

R612-2-10. One Fee Only to be Paid in Global Fee Cases.

In a global fee case which is transferred from one doctor to another doctor, one fee only will be paid, apportioned at the discretion of the Commission. Adequate remuneration shall also be paid to the medical practitioner who renders first aid treatment where the circumstances of the case require such treatment.

R612-2-11. Surgical Assistants' Fees.

Fees, in accordance with the Commission's Relative Value Schedule, in addition to the global fee for surgical services, will be paid surgical assistants only when specifically authorized by the employer or insurance carrier involved, or in hospitals where interns and residents are not available and the complexity of the surgery makes a surgical assistant necessary.

R612-2-12. Separate Bills.

Separate bills must be presented by each surgeon, assistant, anesthetist, consultant, hospital, special nurse, or other medical practitioner within 30 days of treatment on a HCFA 1500 billing form so that payment can be made to the medical practitioner who rendered the service. All bills must contain the federal ID number of the person submitting the bill.

R612-2-13. Interest for Medical Services.

A. All hospital and medical bills must be paid promptly on an accepted liability claim. All bills which have been submitted properly on an accepted liability claim are due and payable within 45 days of being billed unless the bill or a portion of the bill is in dispute. Any portion of the bill not in dispute is payable within 45 days of the billing.

B. Per Section 34A-2-420, any award for medical treatment made by the Commission shall include interest at 8% per annum from the date of billing for the medical service.

R612-2-14. Hospital Fees Separate.

Fees covering hospital care shall be separate from those for professional services and shall not extend beyond the actual necessary hospital care. When it becomes evident that the patient needs no further hospital treatment, he/she must be discharged. All billings must be submitted on a UB92 form and be properly itemized and coded and shall include all appropriate documentation to support the billing. There shall not be a separate fee charged for the necessary documentation in billing for payment of hospital services. The documentation of hospital services shall include at a minimum the discharge summary. The insurance carrier may request further documentation if needed in order to determine liability for the bill.

R612-2-15. Charges for Ordinary Supplies, Materials, or Drugs.

Fees covering ordinary dressing materials or drugs used in treatment shall not be charged separately but shall be included in the amount allowed for office dressings or treatment.

R612-2-16. Charges for Special or Unusual Supplies, Materials, or Drugs.

Charges for special or unusual supplies, materials, or drugs not included as a normal and usual part of the service or procedure shall, upon receipt of an itemized and coded billing, be paid at cost plus 15% restocking fees.

R612-2-17. Fees for Unscheduled Procedures.

Fees for medical or surgical procedures not appearing in the Commission's current fee schedule publication are subject to the Commission's approval and should be submitted to the Commission when the physician and employer or insurance carrier do not agree on the value of the service. Such fees shall be in proportion as nearly as practicable to fees for similar services appearing in this schedule.

R612-2-18. Dental Injuries.

Where a worker sustains an accident in the course of his employment resulting in the loss of or injury to teeth, making dental work necessary, the injured worker shall consult a dental surgeon and receive such first aid as may be necessary to preserve, if possible, the normal function of the injured teeth. The dental surgeon shall then file with the insurance carrier a report setting forth the nature of the injury together with an estimate of the cost of restoration. The dental surgeon shall not proceed with the restoration until authority has been granted by the insurance carrier, provided, however, that if an employer maintains a medical staff or designates a company doctor, the employee shall first report to that medical staff or medical officer and be guided by directions then given. If the carrier refuses payment at the level estimated by the dental surgeon, the employee may choose to pay the difference and seek adjudication by Application for Hearing. A dental surgeon may choose to settle for the payment allowed, or the carrier shall direct the employee to a dental surgeon who will provide his services at the payment level specified by the carrier.

R612-2-19. Ambulance Charges.

Ambulance charges must not exceed the rates adopted by the State Emergency Medical Service Commission for similar services.

R612-2-20. Travel Allowance and Per Diem.

A. An employee who, based upon his/her physician's advice, requires hospital, medical, surgical, or consultant services for injuries arising out of and in the course of employment and who is authorized by the self-insurer, the carrier, or the Commission to obtain such services from a physician and/or hospital shall be entitled to:

1. Subsistence expenses of $5 per day for breakfast, $6 per day for lunch, $10 per day for dinner, and actual lodging expenses as per the state of Utah's in-state travel policy provided:

(a) The employee travels to a community other than his/her own place of residence and the distance from said community and the employee's home prohibits return by 10:00 p.m., and

(b) The absence from home is necessary at the normal

hour for the meal billed.

2. Reasonable travel expenses regardless of distance that are consistent with the state of Utah's travel reimbursement rates, or actual reasonable costs of practical transportation modes above the state's travel reimbursement rates as may be required due to the nature of the disability.

B. This rule applies to all travel to and from medical care with the following restrictions:

1. The carrier is not required to reimburse the injured employee more often than every three months, unless:

(a) More than $100 is involved, or

(b) The case is about to be closed.

2. All travel must be by the most direct route and to the nearest location where adequate treatment is reasonably available.

3. Travel may not be required between the hours of 10:00 p.m. and 6:00 a.m., unless approved by the Commission.

4. Requests for travel reimbursement must be submitted to the carrier for payment within one year of the authorized medical care.

5. Travel allowance shall not include picking up prescriptions unless documentation is provided substantiating a claim that prescriptions cannot be obtained locally within the injured worker's community.

6. The Commission has jurisdiction to resolve all disputes.

R612-2-21. Notice to Health Care Providers.

Any notice from a carrier denying further liability must be mailed to the Commission and the patient on the same day as it is mailed to the health care provider. Where it can be shown, in fact, that a medical care provider and the injured employee have received a denial of further care by the insurance carrier or self-insured employer, further treatment may be performed at the expense of the employee. Any future ratification of the denial by the Commission will not be considered a retroactive denial but will serve to uphold the force and effect of the previous denial notice.

R612-2-22. Medical Records.

A. When any medical practitioner provides copies of medical records to the parties of an industrial case, the following charges are presumed reasonable:

1. A search fee of $15,

2. Copies at $0.50 per page including copies of microfilm, and

3. Actual costs of postage.

B. Those persons or entities who are entitled to copies of medical records involving an industrial case are:

1. The injured employee or his/her dependents,

2. The employer of the injured worker,

3. The employer's workers' compensation insurance carrier,

4. The Uninsured Employers' Fund,

5. The Employers' Reinsurance Fund,

6. The Commission, and

7. Any attorney representing any of the above in an industrial injury or occupational disease claim.

C. No other person or entity is entitled to medical records unless ordered by a Court or provided with a notarized release executed by the injured worker.

D. The Commission will operate in the release of its records to the parties/entities as specified above unless the information is classified as confidential under the Utah Privacy Act.

E. No fee shall be charged when the Commission's Relative Value Schedule (RVS) requires specific documentation for a procedure or when physicians and surgeons are required to report by statute or rule.

F. An injured worker may obtain one of each of the following records related to the industrial injury or occupational disease, at no cost, when the injured worker or his/her dependents have a signed form by the division to substantiate his/her industrial injury/illness claim:

1. History and physical,

2. Operative reports of surgeries,

3. Discharge summary, and

4. Emergency room records,

5. Radiological reports,

6. Specialized testing results,

7. Physician SOAP notes, progress notes or specialized reports.

(a) Alternatively, a summary of the patient's record may be made available to the claimant at the discretion of the physician.

8. And such other records as may be requested by the Commission in order to make a determination of liability.

R612-2-23. Adjusting Relative Value Schedule (RVS) Codes.

A. When adjusting any medical provider's bill who has billed per the Commission's RVS the adjusting entity shall provide one or more of the following explanations as applies to the down coding when payment is made to the medical provider:

1. Code 99202, 99203, 99204 or 99205 - the submitted documentation for a new patient did not meet the three key components lacking in the level of history for the code billed.

2. Code 99202, 99203, 99204 or 99205 - the submitted documentation for a new patient did not meet the three key components lacking in the level of examination for the code billed.

3. Code 99202, 99203, 99204 or 99205 - the submitted documentation for a new patient did not meet the three key components lacking in the level of medical decision making for the code billed.

4. Code 99202, 99203, 99204, or 99205 - the submitted documentation for a new patient did not meet the three key components lacking in the level of history and exam for the code billed.

5. Code 99213, 99214 or 99215 - the submitted documentation for an established patient did not meet the two key components lacking in the level of history and exam that the code billed.

6. Code 99213, 99214 or 99215 - the submitted documentation for an established patient did not meet the two key components lacking in the level of history and medical

decision making for the code billed.

7. Code 99213, 99214 or 99215 - the submitted documentation for the established patient did not meet the two key components lacking in the level of exam and medical decision making for the code billed.

B. The above explanations may be abbreviated, with a legend provided, to accommodate the space of computerized messages.

R612-2-24. Review of Medical Payments.

A. Health care providers and payors are primarily responsible to resolve disputes over fees for medical services between themselves. However, in some cases it is necessary to submit such disputes to the Division for resolution. The Commission therefore establishes the following procedure for submission and review of fees for medical services.

1. The provider shall submit a bill for services rendered, with supporting documentation, to the payor within one year of the date of service;

2. The payor shall evaluate the bill according to the guidelines contained in the Commission's Relative Value Fee Schedule (RVS) and shall pay the provider the appropriate fee within 45 days as required by Rule R612-2-13.

3. If the provider believes that the payor has improperly computed the fee under the RVS, the provider or designee shall request the payor to re-evaluate the fee. The provider's request for re-evaluation shall be in writing, shall describe the specific areas of disagreement and shall include all appropriate documentation. The provider shall submit all requests for re-evaluation to the payor within one year of the date of the original payment.

4. Within 30 days of receipt of the written request for re-evaluation, the payor shall either pay the additional fee due the provider or respond with a specific written explanation of the basis for its denial of additional fees. The payor shall maintain proof of transmittal of its response.

B. If the provider continues to disagree with the payor's determination o the appropriate fee, the provider shall submit the matter to the Division by filing with the Division a written explanation of the disagreement. The provider's explanation shall include copies of:

1. The provider's original bill and supporting documentation;

2. The payor's initial payment of that bill;

3. The provider's request for re-evaluation and supporting documentation; and

4. The payor's written explanation or its denial of additional fees.

C. The Division will evaluate the dispute according to the requirements of the RVS and, if necessary, by consulting with the provider, payor, or medical specialists. Within 45 days from the date the Division receives the provider's request, the Division will mail its determination to both parties.

D. Any party aggrieved by the Division's determination may file an application for hearing with the Division of Adjudication to obtain formal adjudication of the dispute.

R612-2-25. Injured Worker's Right to Privacy.

A. No agent of the employer or the employer's insurance carrier shall be present during an injured worker's visit with a medical provider, unless agreed upon by the claimant.

B. If an agent of the employer or the employer's insurance carrier is excluded from the medical visit, the medical provider and the injured worker shall meet with the agent at the conclusion of the visit so as to communicate regarding medical care and return to work issues.

R612-2-26. Utilization Review Standards.

A. As used in this subsection:

1. "Payor" means a workers' compensation insurance carrier, a self-insured employer, third-party administrator, uninsured employer or the Uninsured Employers' Fund, which is responsible for payment of the workers' compensation claim.

2. "Health Care Provider" means a provider of medical services, including an individual provider, a health-service plan, a health-care organization, or a preferred-provider organization.

3. "Request for Authorization" means any request by a physician for assurance that appropriate payment will be made for a course of proposed medical treatment, including surgery or hospitalization, or any diagnostic studies beyond plain X-rays.

4. "Utilization Review," as authorized in Section 34A-2-111, is a process used to manage medical costs, improve patient care, and enhance decision-making. Utilization review includes, but is not limited to, the review of requests for authorization to treat, and the review of bills, for the purpose of determining whether the medical services provided were or would be necessary, to treat the effects of the injury/illness. Utilization review does not include bill review for the purpose of determining whether the medical services rendered were accurately billed. Nor does it include any system, program, or activity in connection with making decisions concerning whether a person has sustained an injury or illness which is compensable under Section 34A-2 or 34A-3.

5. "Reasonable Attempt" is defined as at least two phone calls and a fax, or three phone calls, within five business days from date of the payor's receipt of the physician's request for review.

B. Any utilization review system shall establish an appeals process which utilizes a physician(s) for a final decision by the insurer, should an initial review decision be contested. The payor may establish levels of review that meet the following criteria:

1. Level I--Initial Request and Review. A payor may use medical or non-medical personnel to initially apply medically-based criteria to a request for authorization for payment of a specific treatment. The treating physician must send all the necessary documentation for the payor to make a decision regarding the treatment recommended. The payor must then notify the physician within five business days of the request for authorization of payment for the treatment, by a method which provides certification of transmission of the document, of either an acceptance or a denial of the request. A denial for authorization of payment for a recommended

treatment utilizing the Commission's form, Form 223, must be sent to the provider with the criteria used in making the determination to deny payment for the treatment. A copy of the denial must also be mailed to the claimant. Level I--Request and Review does not include authorization requests for services billed from the Restorative section of the Relative Value Schedule (RVS). Requests for authorization for restorative services are governed by rule R568-2-3(B).

2. Level II--Review. A physician, who has been denied authorization of payment for treatment, or has received no response within five business days from the request for authorization for payment at Level I review, may request a physician's review by sending the completed portion of the Commission form 223 to the payor. Such a request for review may be filed by any physician who has been denied authorization for payment for restorative services beyond the initial eight visits as authorized by Rule R568-2-3(B). The requesting physician must include the times and days that he/she is available to discuss the case with the reviewing physician, and must be reasonably available during normal business hours. The payor's physician representative must complete the review within five business days of the treating physician's request for review. Before the insurer's physician representative may issue a denial of an authorization for payment to treat, a reasonable effort must have made to contact the requesting treating physician to discuss the differing aspects of the case. Failure by the payor to respond within five business days, by a method which provides certification of transmission, to a denial for authorization for payment for treatment, shall constitute an authorization for payment of the treatment. The payor's denial to pay for the recommended treatment must be issued on Commission's form 223, and the denial must be accompanied by the criteria that was used in making the decision to deny authorization, along with the name and speciality of the reviewing physician. The denial to authorize payment for treatment must then be sent to the physician, the claimant, and the Commission. The payor shall notify the Commission if an additional five days is needed in order to contact the treating physician or to review the case. An additional extension of time may be requested from the Commission to accommodate highly unusual circumstances or particularly difficult cases.

C. Upon receipt of denial of authorization for payment for medical treatment at Level II, the Commission will facilitate, upon the request of the claimant, the final disposition of the case. If the parties agree, the medical dispute may be resolved by the Commission through binding mediation or medical review. If there is not agreement among the parties, the Commission will resolve the dispute through formal adjudication. The payor shall be responsible for sending the claimant the Commission appeals information when the denial for authorization for payment for medical treatment is sent to the claimant.

D. If the medical treatment requested is not an emergency, and treatment is rendered by the physician after, receiving notice of the utilization standards encompassed in this rule, the following shall apply:

1. The Commission shall, if the disputed medical treatment is ultimately determined to be compensable as an expense necessary to treat the industrial injury or occupational disease, order that the physician be reimbursed at only 75% of the of the amount otherwise payable had appropriate authorization been timely obtained. The injured worker shall not be liable for any additional payment to the physician above the 75%.

2. Neither the worker's employer or its workers' compensation insurer shall be liable for any portion of the cost of disputed medical treatment, if that treatment is ultimately determined not to be compensable as an expense necessary to treat an industrial injury or occupational disease.

3. A worker may become liable for the cost of the disputed medical treatment, if that treatment is ultimately determined not to be compensable as an expense necessary to treat the industrial injury or occupational disease.

4. Except for any co-pays or deductibles under the worker's health insurance plan, the penalty provision in D(1) and D(3) shall not apply if the physician performs the medical treatment in question, having been preauthorized in writing to do the same by a health insurer or other non-worker's compensation insurance payor.

5. The penalty provisions in D(1) shall not apply to medical treatment rendered in emergency situations, which are defined as a threat to life or limb.

6. The Commission shall notify a physician, in writing, of reported violations of this rule. Repeated violations of this rule by a physician may result in a report from the Commission to the Department of Commerce, Division of Occupational/Professional Licensing.

KEY: workers' compensation, fees, medical practitioner
November 3, 1998 34A-2-101 et seq.
Notice of Continuation June 15, 1998 34A-3-101 et seq.
34A-1-104

R616. Labor Commission, Safety.
R616-1. Coal Mine Rules.
R616-1-1. Authority.

This rule is established pursuant to Section 34A-1-104 and 40-2-1.1 for the purpose of the Labor Commission ascertaining, adopting, and enforcing reasonable standards and rules for the protection of life, health, and safety of all persons with respect to all coal prospects, mines, tunnels, banks, open cut workings, and coal strip mines in the State of Utah, regardless of the number of employees, lessors, owners, partners or sublessors.

R616-1-2. Definitions.

A. "Commission" means the Labor Commission created in Section 34A-1-103.

B. "Division" means the Division of Safety of the Labor Commission.

C. "Certification" means a person being judged competent and proficient in and receiving certification papers for a coal mining position by meeting prescribed standards established by the Division and the examining panel pursuant to the requirements in Sections 40-2-14 through 16.

R616-1-3. Variances to Rules.

A. In a case where the Labor Commission finds that the enforcement of any rule would not materially increase the safety of employees and would work undue hardships on the operator, the Labor Commission may allow the mine a variance. Variances must be in writing to be effective, and can be revoked after reasonable notice is given in writing.

B. No errors or omissions in these rules shall be construed as permitting any unsafe or unsanitary condition to exist.

R616-1-4. Inspection of Mines.

A. It shall be the responsibility of the State Mine Inspectors of the Division to make inspections of coal mines operated within their districts when deemed necessary or appropriate. Inspectors shall examine conditions as regards the safety of the workforce, machinery, ventilation, drainage, methods of lighting, and into all other matters connected with the safety of persons in each mine, and when necessary give directions providing for the better health and safety of persons employed in or about the same. The owner or operator is required to freely permit entry, inspection, examination and inquiry, and to furnish a guide when necessary. The owner or operator shall be notified of the condition of the mine by a written report.

B. If the Division finds a Mine, or section thereof, or equipment therein, is not being operated in accordance with R616-1, the person in charge shall be notified and directed to make such improvements or changes as are necessary to comply, per Section 34A-2-301. If the improvements or changes are not made within the time established by the Division and fitting the conditions found, it shall be unlawful to operate the mine, or section thereof, or equipment therein, until the required changes are completed.

C. If, in the judgment of a State Mine Inspector, the lives or safety of employees are, or will be endangered if they remain in a mine or section thereof, he shall direct that they be immediately withdrawn from the danger area.

R616-1-5. Fees.

Fees to be charged as required by Section 40-2-15 shall be adopted by the Labor Commission and approved by the legislature pursuant to Section 63-38-3(2).

R616-1-6. Yearly Report.

A. Coal mine operators shall forward to the Division at its office, not later than the 15th day of February, a detailed report on a form furnished by the Division, showing the character of the mine, tonnage of product during the previous year ended December 31, the average number of employees therein employed during the year including lessees, and number of days the mine was worked, and such other information as the Division and Commission may require. All such reports shall become part of the records of the office of the Commission.

B. In the event that any mine is operated by two or more operators in any year, each operator must furnish the succeeding operator a report of his operations, which must be included with that of the party operating the mine at the end of the year so that a complete record of the mine's operations may be submitted to the Division.

R616-1-7. Code of Federal Regulations.

A. The provisions of 30 CFR part 1 through 199, 1997, are incorporated by reference.

B. Enforcement by the Division shall be pursuant to Section 40-2-1.5.

R616-1-8. Initial Agency Action.

Issuance or denial of a certification of competency and orders or directives to make changes or improvements shall be issued by the mine inspector or examining panel referred to in Section 40-2-14 and are informal adjudicative actions commenced by the agency per Section 63-46b-3.

R616-1-9. Presiding Officer.

The mine inspector or the examining are the presiding officers referred to in Section 63-46b-3. If an informal hearing is requested pursuant to R616-1-10, the Commission shall appoint the presiding officer for that hearing.

R616-1-10. Request for Informal Hearing.

Within 30 days of issuance, any aggrieved person may request an informal hearing regarding the reasonableness of a certificate issuance or denial or an order to make changes or improvements. The request for hearing shall contain all information required by Sections 63-46b-3(a) and 63-46b-3(3).

R616-1-11. Classification of Proceeding for Purpose of Utah Administrative Procedures Act.

Any hearing held pursuant to R616-1-10 shall be informal and pursuant to the procedural requirements of Section 63-46b-5 and any agency review of the order issued after the hearing shall be per Section 63-46b-13. An informal

hearing maybe converted to a formal hearing pursuant to Section 63-46b-4(3).

KEY: certification, labor, mining
September 3, 1997 34A-1-104
Notice of Continuation November 13, 1998 40-2-1 et seq.

R645. Natural Resources; Oil, Gas and Mining; Coal.
R645-301. Coal Mine Permitting: Permit Application Requirements.
R645-301-100. General Contents.

The rules in R645-301-100 present the requirements for the entitled information which should be included in each permit application.

110. Minimum Requirements for Legal, Financial, Compliance and Related Information.

111. Introduction.

111.100. Objectives. The objectives of R645-301-100 are to insure that all relevant information on the ownership and control of persons who conduct coal mining and reclamation operations, the ownership and control of the property to be affected by the operation, the compliance status and history of those persons, and other important information is provided in the application to the Division.

111.200. Responsibility. It is the responsibility of the permit applicant to provide to the Division all of the information required by R645-301-100.

111.300. Applicability. The requirements of R645-301-100 apply to any person who applies for a permit to conduct coal mining and reclamation operations.

111.400. The applicant shall submit the information required by R645-301-112 and R645-301-113 in a format prescribed by OSM rules governing the Applicant Violator System information needs.

112. Identification of Interests. An application will contain the following:

112.100. A statement as to whether the applicant is a corporation, partnership, single proprietorship, association, or other business entity;

112.200. The name, address, telephone number and, as applicable, social security number and employer identification number of the:

112.210. Applicant;

112.220. Applicant's resident agent; and

112.230. Person who will pay the abandoned mine land reclamation fee.

112.300. For each person who owns or controls the applicant under the definition of "owned or controlled" and "owns or controls" in R645-100-200 of this chapter, as applicable:

112.310. The person's name, address, social security number and employer identification number;

112.320. The person's ownership or control relationship to the applicant, including percentage of ownership and location in organizational structure;

112.330. The title of the person's position, date position was assumed, and when submitted under R645-300-147, date of departure from the position;

112.340. Each additional name and identifying number, including employer identification number, Federal or State permit number, and MSHA number with date of issuance, under which the person owns or controls, or previously owned or controlled, a coal mining and reclamation operation in the United States within five years preceding the date of the application; and

112.350. The application number or other identifier of, and the regulatory authority for, any other pending coal mine operation permit application filed by the person in any State in the United States.

112.400. For any coal mining and reclamation operation owned or controlled by either the applicant or by any person who owns or controls the applicant under the definition of "owned or controlled" and "owns or controls" in R645-100-200 the operation's:

112.410. Name, address, identifying numbers, including employer identification number, Federal or State permit number and MSHA number, the date of issuance of the MSHA number, and the regulatory authority; and

112.420. Ownership or control relationship to the applicant, including percentage of ownership and location in organizational structure.

112.500. The name and address of each legal or equitable owner of record of the surface and mineral property to be mined, each holder of record of any leasehold interest in the property to be mined, and any purchaser of record under a real estate contract for the property to be mined;

112.600. The name and address of each owner of record of all property (surface and subsurface) contiguous to any part of the proposed permit area;

112.700. The MSHA numbers for all mine-associated structures that require MSHA approval; and

112.800. A statement of all lands, interest in lands, options, or pending bids on interests held or made by the applicant for lands contiguous to the area described in the permit application. If requested by the applicant, any information required by R645-301-112.800 which is not on public file pursuant to Utah law will be held in confidence by the Division as provided under R645-300-124.320.

112.900. After an applicant is notified that his or her application is approved, but before the permit is issued, the applicant shall, as applicable, update, correct or indicate that no change has occurred in the information previously submitted under R645-301-112.100 through R645-301-112.800.

113. Violation Information. An application will contain the following:

113.100. A statement of whether the applicant or any subsidiary, affiliate, or persons controlled by or under common control with the applicant has:

113.110. Had a federal or state permit to conduct coal mining and reclamation operations suspended or revoked in the five years preceding the date of submission of the application; or

113.120. Forfeited a performance bond or similar security deposited in lieu of bond;

113.200. A brief explanation of the facts involved if any such suspension, revocation, or forfeiture referred to under R645-301-113.110 and R645-301-113.120 has occurred, including:

113.210. Identification number and date of issuance of the permit, and the date and amount of bond or similar security;

113.220. Identification of the authority that suspended or revoked the permit or forfeited the bond and the stated reasons for the action;

113.230. The current status of the permit, bond, or similar security involved;

113.240. The date, location, and type of any administrative or judicial proceedings initiated concerning the suspension, revocation, or forfeiture; and

113.250. The current status of the proceedings; and

113.300. For any violation of a provision of the Act, or of any law, rule or regulation of the United States, or of any derivative State reclamation law, rule or regulation enacted pursuant to Federal law, rule or regulation pertaining to air or water environmental protection incurred in connection with any coal mining and reclamation operation, a list of all violation notices received by the applicant during the three year period preceding the application date, and a list of all unabated cessation orders and unabated air and water quality violation notices received prior to the date of the application by any coal mining and reclamation operation owned or controlled by either the applicant or by any person who owns or controls the applicant. For each violation notice or cessation order reported, the lists shall include the following information, as applicable:

113.310. Any identifying numbers for the operation, including the Federal or State permit number and MSHA number, the dates of issuance of the violation notice and MSHA number, the name of the person to whom the violation notice was issued, and the name of the issuing regulatory authority, department or agency;

113.320. A brief description of the violation alleged in the notice;

113.330. The date, location, and type of any administrative or judicial proceedings initiated concerning the violation, including, but not limited to, proceedings initiated by any person identified in R645-301-113.300 to obtain administrative or judicial review of the violation;

113.340. The current status of the proceedings and of the violation notice; and

113.350. The actions, if any, taken by any person identified in R645-301-113.300 to abate the violation.

113.400. After an applicant is notified that his or her application is approved, but before the permit is issued, the applicant shall, as applicable, update, correct or indicate that no change has occurred in the information previously submitted under R645-301-113.

114. Right-of-Entry Information.

114.100. An application will contain a description of the documents upon which the applicant bases their legal right to enter and begin coal mining and reclamation operations in the permit area and will state whether that right is the subject of pending litigation. The description will identify the documents by type and date of execution, identify the specific lands to which the document pertains, and explain the legal rights claimed by the applicant.

114.200. Where the private mineral estate to be mined has been severed from the private surface estate, an applicant will also submit:

114.210. A copy of the written consent of the surface owner for the extraction of coal by certain coal mining and reclamation operations;

114.220. A copy of the conveyance that expressly grants or reserves the right to extract coal by certain coal mining and reclamation operations; or

114.230. If the conveyance does not expressly grant the right to extract the coal by certain coal mining and reclamation operations, documentation that under applicable Utah law, the applicant has the legal authority to extract the coal by those operations.

114.300. Nothing given under R645-301-114.100 through R645-301-114.200 will be construed to provide the Division with the authority to adjudicate property rights disputes.

115. Status of Unsuitability Claims.

115.100. An application will contain available information as to whether the proposed permit area is within an area designated as unsuitable for coal mining and reclamation operations or is within an area under study for designation in an administrative proceeding under R645-103-300, R645-103-400, or 30 CFR Part 769.

115.200. An application in which the applicant claims the exemption described in R645-103-333 will contain information supporting the assertion that the applicant made substantial legal and financial commitments before January 4, 1977, concerning the proposed coal mining and reclamation operations.

115.300. An application in which the applicant proposes to conduct coal mining and reclamation operations within 300 feet of an occupied dwelling or within 100 feet of a public road will contain the necessary information and meet the requirements of R645-103-230 through R645-103-238.

116. Permit Term.

116.100. Each permit application will state the anticipated or actual starting and termination date of each phase of the coal mining and reclamation operation and the anticipated number of acres of land to be affected during each phase of mining over the life of the mine.

116.200. If the applicant requires an initial permit term in excess of five years in order to obtain necessary financing for equipment and the opening of the operation, the application will:

116.210. Be complete and accurate covering the specified longer term; and

116.220. Show that the proposed longer term is reasonably needed to allow the applicant to obtain financing for equipment and for the opening of the operation with the need confirmed, in writing, by the applicant's proposed source of financing.

117. Insurance, Proof of Publication and Facilities or Structures Used in Common.

117.100. A permit application will contain either a certificate of liability insurance or evidence of self-insurance in compliance with R645-301-800.

117.200. A copy of the newspaper advertisements of the application for a permit, significant revision of a permit, or renewal of a permit, or proof of publication of the advertisements which is acceptable to the Division will be filed with the Division and will be made a part of the application not later than 4 weeks after the last date of publication as required by R645-300-121.100.

117.300. The plans of a facility or structure that is to be

shared by two or more separately permitted coal mining and reclamation operations may be included in one permit application and referenced in the other applications. In accordance with R645-301-800, each permittee will bond the facility or structure unless the permittees sharing it agree to another arrangement for assuming their respective responsibilities. If such agreement is reached, then the application will include a copy of the agreement between or among the parties setting forth the respective bonding responsibilities of each party for the facility or structure. The agreement will demonstrate to the satisfaction of the Division that all responsibilities under the R645 Rules for the facility or structure will be met.

118. Filing Fee. Each permit application to conduct coal mining and reclamation operations pursuant to the State Program will be accompanied by a fee of $5.00.

120. Permit Application Format and Contents.

121. The permit application will:

121.100. Contain current information, as required by R645-200, R645-300, R645-301 and R645-302.

121.200. Be clear and concise; and

121.300. Be filed in the format required by the Division.

122. If used in the permit application, referenced materials will either be provided to the Division by the applicant or be readily available to the Division. If provided, relevant portions of referenced published materials will be presented briefly and concisely in the application by photocopying or abstracting and with explicit citations.

123. Applications for permits; permit changes; permit renewals; or transfers, sales or assignments of permit rights will contain the notarized signature of a responsible official of the applicant, that the information contained in the application is true and correct to the best of the official's information and belief.

130. Reporting of Technical Data.

131. All technical data submitted in the permit application will be accompanied by the names of persons or organizations that collected and analyzed the data, dates of the collection and analysis of the data, and descriptions of the methodology used to collect and analyze the data.

132. Technical analyses will be planned by or under the direction of a professional qualified in the subject to be analyzed.

140. Maps and Plans.

141. Maps submitted with permit applications will be presented in a consolidated format, to the extent possible, and will include all the types of information that are set forth on U.S. Geological Survey of the 1:24,000 scale series. Maps of the permit area will be at a scale of 1:6,000 or larger. Maps of the adjacent area will clearly show the lands and waters within those areas and be at a scale determined by the Division, but in no event smaller than 1:24,000.

142. All maps and plans submitted with the permit application will distinguish among each of the phases during which coal mining and reclamation operations were or will be conducted at any place within the life of operations. At a minimum, distinctions will be clearly shown among those portions of the life of operations in which coal mining and reclamation operations occurred:

142.100 Prior to August 3, 1977;

142.200 After August 3, 1977, and prior to either:

142.210. May 3, 1978; or

142.220 In the case of an applicant or operator which obtained a small operator's exemption in accordance with the Interim Program rules (MC Rules), January 1, 1979;

142.300 After May 3, 1978 (or January 1, 1979, for persons who received a small operator's exemption) and prior to the approval of the State Program; and

142.400 After the estimated date of issuance of a permit by the Division under the State Program.

150. Completeness. An application for a permit to conduct coal mining and reclamation operations will be complete and will include at a minimum information required under R645-301 and, if applicable, R645-302.

R645-301-200. Soils.

The regulations in R645-301-200 present the minimum requirements for information on soil resources which will be included in each permit application.

210. Introduction.

211. The applicant will present a description of the premining soil resources as specified under R645-301-221. Topsoil and subsoil to be saved under R645-301-232 will be separately removed and segregated from other material.

212. After removal, topsoil will be immediately redistributed in accordance with R645-301-242, stockpiled pending redistribution under R645-301-234, or if demonstrated that an alternative procedure will provide equal or more protection for the topsoil, the Division may, on a case-by-case basis, approve an alternative.

220. Environmental Description.

221. Prime Farmland Investigation. All permit applications, whether or not Prime Farmland is present, will include the results of a reconnaissance inspection of the proposed permit area to indicate whether Prime Farmland exists as given under R645-302-313.

222. Soil Survey. The applicant will provide adequate soil survey information for those portions of the permit area to be affected by surface operations incident to UNDERGROUND COAL MINING and RECLAMATION ACTIVITIES and for the permit area of SURFACE COAL MINING and RECLAMATION ACTIVITIES consisting of the following:

222.100. A map delineating different soils;

222.200. Soil identification;

222.300. Soil description; and

222.400. Present and potential productivity of existing soils.

223. Soil Characterization. The survey will meet the standards of the National Cooperative Soil Survey as incorporated by reference in R645-302-314.100.

224. Substitute Topsoil. Where the applicant proposes to use selected overburden materials as a supplement or substitute for topsoil, the application will include results of analyses, trials, and tests as described under R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, and R645-301-243. The Division may also require the results of field-site trials or greenhouse tests as required

under R645-301-233.

230. Operation Plan.

231. General Requirements. Each permit application will include a:

231.100. Description of the methods for removing and storing topsoil, subsoil, and other materials;

231.200. Demonstration of the suitability of topsoil substitutes or supplements;

231.300. Testing plan for evaluating the results of topsoil handling and reclamation procedures related to revegetation; and

231.400. Narrative that describes the construction, modification, use and maintenance of topsoil handling and storage areas.

232. Topsoil and Subsoil Removal.

232.100. All topsoil will be removed as a separate layer from the area to be disturbed, and segregated.

232.200. Where the topsoil is of insufficient quantity or poor quality for sustaining vegetation, the materials approved by the Division in accordance with R645-301-233.100 will be removed as a separate layer from the area to be disturbed, and segregated.

232.300. If topsoil is less than six inches thick, the operator may remove the topsoil and the unconsolidated materials immediately below the topsoil and treat the mixture as topsoil.

232.400. The Division may not require the removal of topsoil for minor disturbances which:

232.410. Occur at the site of small structures, such as power poles, signs, or fence lines; or

232.420. Will not destroy the existing vegetation and will not cause erosion.

232.500. Subsoil Segregation. The Division may require that the B horizon, C horizon, or other underlying strata, or portions thereof, be removed and segregated, stockpiled, and redistributed as subsoil in accordance with the requirements of R645-301-234 and R645-301-242 if it finds that such subsoil layers are necessary to comply with the revegetation requirements of R645-301-353 through R645-301-357.

232.600. Timing. All material to be removed under R645-301-232 will be removed after the vegetative cover that would interfere with its salvage is cleared from the area to be disturbed, but before any drilling, blasting, mining, or other surface disturbance takes place.

232.700. Topsoil and subsoil removal under adverse conditions. An exception to the requirements of R645-301-232 to remove topsoil or subsoils in a separate layer from an area to be disturbed by surface operations may be granted by the Division where the operator can demonstrate;

232.710. The removal of soils in a separate layer from the area by the use of conventional machines would be unsafe or impractical because of the slope or other condition of the terrain or because of the rockiness or limited depth of the soils; and

232.720. That the requirements of R645-301-233 have been or will be fulfilled with regard to the use of substitute soil materials unless no available substitute material can be made suitable for achieving the revegetation standards of R645-301-356, in which event the operator will, as a condition of the permit, be required to import soil material of the quality and quantity necessary to achieve such revegetation standards.

233. Topsoil Substitutes and Supplements.

233.100. Selected overburden materials may be substituted for, or used as a supplement to topsoil if the operator demonstrates to the Division that the resulting soil medium is equal to, or more suitable for sustaining vegetation on nonprime farmland areas than the existing topsoil, has a greater productive capacity than that which existed prior to mining for prime farmland reconstruction, and results in a soil medium that is the best available in the permit area to support revegetation.

233.200. The suitability of topsoil substitutes and supplements will be determined on the basis of analysis of the thickness of soil horizons, total depth, texture, percent coarse fragments, pH, and areal extent of the different kinds of soils. The Division may require other chemical and physical analyses, field-site trials, or greenhouse tests if determined to be necessary or desirable to demonstrate the suitability of topsoil substitutes or supplements.

233.300. Results of physical and chemical analyses of overburden and topsoil to demonstrate that the resulting soil medium is equal to or more suitable for sustaining revegetation than the available topsoil, provided that field-site trials, and greenhouse tests are certified by an approved laboratory in accordance with any one or a combination of the following sources:

233.310. NRCS published data based on established soil series;

233.320. NRCS Technical Guides;

233.330. State agricultural agency, university, Tennessee Valley Authority, Bureau of Land Management of U.S. Department of Agriculture Forest Service published data based on soil series properties and behavior; or

233.340. Results of physical and chemical analyses, field-site trials, or greenhouse tests of the topsoil and overburden materials (soil series) from the permit area.

233.400. If the operator demonstrates through soil survey or other data that the topsoil and unconsolidated material are insufficient and substitute materials will be used, only the substitute materials must be analyzed in accordance with R645-301-233.300.

234. Topsoil Storage.

234.100. Materials removed under R645-301-232.100, R645-301-232.200, and R645-301-232.300 will be segregated and stockpiled when it is impractical to redistribute such materials promptly on regraded areas.

234.200. Stockpiled materials will:

234.210. Be selectively placed on a stable site within the permit area;

234.220. Be protected from contaminants and unnecessary compaction that would interfere with revegetation;

234.230. Be protected from wind and water erosion through prompt establishment and maintenance of an effective, quick growing vegetative cover or through other measures approved by the Division; and

234.240. Not be moved until required for redistribution unless approved by the Division.

234.300. Where long-term disturbed areas will result from facilities and preparation plants and where stockpiling of materials removed under R645-301-232.100 would be detrimental to the quality or quantity of those materials, the Division may approve the temporary distribution of the soil materials so removed to an approved site within the permit area to enhance the current use of that site until needed for later reclamation, provided that:

234.310. Such action will not permanently diminish the capability of the topsoil of the host site; and

234.320. The material will be retained in a condition more suitable for redistribution than if stockpiled.

240. Reclamation Plan.

241. General Requirements. Each permit application will include plans for redistribution of soils, use of soil nutrients and amendments and stabilization of soils.

242. Soil Redistribution.

242.100. Topsoil materials removed under R645-301-232.100, R645-301-232.200, and R645-301-232.300 and stored under R645-301-234 will be redistributed in a manner that:

242.110. Achieves an approximately uniform, stable thickness consistent with the approved postmining land use, contours, and surface-water drainage systems;

242.120. Prevents excess compaction of the materials; and

242.130. Protects the materials from wind and water erosion before and after seeding and planting.

242.200. Before redistribution of the materials removed under R645-301-232 the regraded land will be treated if necessary to reduce potential slippage of the redistributed material and to promote root penetration. If no harm will be caused to the redistributed material and reestablished vegetation, such treatment may be conducted after such material is replaced.

242.300. The Division may not require the redistribution of topsoil or topsoil substitutes on the approved postmining embankments of permanent impoundments or roads if it determines that:

242.310. Placement of topsoil or topsoil substitutes on such embankments is inconsistent with the requirement to use the best technology currently available to prevent sedimentation, and

242.320. Such embankments will be otherwise stabilized.

243. Soil Nutrients and Amendments. Nutrients and soil amendments will be applied to the initially redistributed material when necessary to establish the vegetative cover.

244. Soil Stabilization.

244.100. All exposed surface areas will be protected and stabilized to effectively control erosion and air pollution attendant to erosion.

244.200. Suitable mulch and other soil stabilizing practices will be used on all areas that have been regraded and covered by topsoil or topsoil substitutes. The Division may waive this requirement if seasonal, soil, or slope factors result in a condition where mulch and other soil stabilizing practices are not necessary to control erosion and to promptly establish an effective vegetative cover.

244.300. Rills and gullies, which form in areas that have been regraded and topsoiled and which either:

244.310. Disrupt the approved postmining land use or the reestablishment of the vegetative cover, or

244.320. Cause or contribute to a violation of water quality standards for receiving streams will be filled, regraded, or otherwise stabilized; topsoil will be replaced; and the areas will be reseeded or replanted.

250. Performance Standards.

251. All topsoil, subsoil and topsoil substitutes or supplements will be removed, maintained and redistributed according to the plan given under R645-301-230 and R645-301-240.

252. All stockpiled topsoil, subsoil and topsoil substitutes or supplements will be located, maintained and redistributed according to plans given under R645-301-230 and R645-301-240.

R645-301-300. Biology.

310. Introduction. Each permit application will include descriptions of the:

311. Vegetative, fish, and wildlife resources of the permit area and adjacent areas as described under R645-301-320;

312. Potential impacts to vegetative, fish and wildlife resources and methods proposed to minimize these impacts during coal mining and reclamation operations as described under R645-301-330 and R645-301-340; and

313. Proposed reclamation designed to restore or enhance vegetative, fish, and wildlife resources to a condition suitable for the designated postmining land use as described under R645-301-340.

320. Environmental Description.

321. Vegetation Information. The permit application will contain descriptions as follows:

321.100. If required by the Division, plant communities within the proposed permit area and any reference area for SURFACE COAL MINING AND RECLAMATION ACTIVITIES and areas affected by surface operations incident to an underground mine for UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES. This description will include information adequate to predict the potential for reestablishing vegetation; and

321.200. The productivity of the land before mining within the proposed permit area for SURFACE COAL MINING AND RECLAMATION ACTIVITIES and areas affected by surface operations incident to an underground mine for UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, expressed as average yield of food, fiber, forage, or wood products from such lands obtained under high levels of management. The productivity will be determined by yield data or estimates for similar sites based on current data from the U. S. Department of Agriculture, state agricultural universities, or appropriate state natural resource or agricultural agencies.

322. Fish and Wildlife Information. Each application will include fish and wildlife resource information for the

permit area and adjacent areas.

322.100. The scope and level of detail for such information will be determined by the Division in consultation with state and federal agencies with responsibilities for fish and wildlife and will be sufficient to design the protection and enhancement plan required under R645-301-333.

322.200. Site-specific resource information necessary to address the respective species or habitats will be required when the permit area or adjacent area is likely to include:

322.210. Listed or proposed endangered or threatened species of plants or animals or their critical habitats listed by the Secretary under the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.), or those species or habitats protected by similar state statutes;

322.220. Habitats of unusually high value for fish and wildlife such as important streams, wetlands, riparian areas, cliffs supporting raptors, areas offering special shelter or protection, migration routes, or reproduction and wintering areas; or

322.230. Other species or habitats identified through agency consultation as requiring special protection under state or federal law.

322.300. Fish and Wildlife Service review. Upon request, the Division will provide the resource information required under R645-301-322 and the protection and enhancement plan required under R645-301-333 to the U.S. Fish and Wildlife Service Regional or Field Office for their review. This information will be provided within 10 days of receipt of the request from the Service.

323. Maps and Aerial Photographs. Maps or aerial photographs of the permit area and adjacent areas will be provided which delineate:

323.100. The location and boundary of any proposed reference area for determining the success of revegetation;

323.200. Elevations and locations of monitoring stations used to gather data for fish and wildlife, and any special habitat features;

323.300. Each facility to be used to protect and enhance fish and wildlife and related environmental values; and

323.400. If required, each vegetative type and plant community, including sample locations. Sufficient adjacent areas will be included to allow evaluation of vegetation as important habitat for fish and wildlife for those species identified under R645-301-322.

330. Operation Plan. Each application will contain a plan for protection of vegetation, fish, and wildlife resources throughout the life of the mine. The plan will provide:

331. A description of the measures taken to disturb the smallest practicable area at any one time and through prompt establishment and maintenance of vegetation for interim stabilization of disturbed areas to minimize surface erosion. This may include part or all of the plan for final revegetation as described in R645-301-341.100 and R645-301-341.200;

332. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES a description of the anticipated impacts of subsidence on renewable resource lands identified in R645-301-320, and how such impact will be mitigated;

333. A description of how, to the extent possible, using the best technology currently available, the operator will minimize disturbances and adverse impacts to fish and wildlife and related environmental values during coal mining and reclamation operations, including compliance with the Endangered Species Act of 1973 during coal mining and reclamation operations, including the location and operation of haul and access roads and support facilities so as to avoid or minimize impacts on important fish and wildlife species or other species protected by state or federal law; and how enhancement of these resources will be achieved, where practicable. This Description will:

333.100. Be consistent with the requirements of R645-301-358;

333.200. Apply, at a minimum, to species and habitats identified under R645-301-322; and

333.300. Include protective measures that will be used during the active mining phase of operation. Such measures may include the establishment of buffer zones, the selective location and special design of haul roads and powerlines, and the monitoring of surface water quality and quantity.

340. Reclamation Plan.

341. Revegetation. Each application will contain a reclamation plan for final revegetation of all lands disturbed by coal mining and reclamation operations, except water areas and the surface of roads approved as part of the postmining land use, as required in R645-301-353 through R645-301-357, showing how the applicant will comply with the biological protection performance standards of the State Program. The plan will include, at a minimum:

341.100. A detailed schedule and timetable for the completion of each major step in the revegetation plan;

341.200. Descriptions of the following:

341.210. Species and amounts per acre of seeds and/or seedlings to be used. If fish and wildlife habitat will be a postmining land use, the criteria of R645-301-342.300 apply.

341.220. Methods to be used in planting and seeding;

341.230. Mulching techniques, including type of mulch and rate of application;

341.240. Irrigation, if appropriate, and pest and disease control measures, if any; and

341.250. Measures proposed to be used to determine the success of revegetation as required in R645-301-356.

341.300. The Division may require greenhouse studies, field trials, or equivalent methods of testing proposed or potential revegetation materials and methods to demonstrate that revegetation is feasible pursuant to R645-300-133.710.

342. Fish and Wildlife. Each application will contain a fish and wildlife plan for the reclamation and postmining phase of operation consistent with R645-301-330, the performance standards of R645-301-358 and include the following:

342.100. Enhancement measures that will be used during the reclamation and postmining phase of operation to develop aquatic and terrestrial habitat. Such measures may include restoration of streams and other wetlands, retention of ponds and impoundments, establishment of vegetation for wildlife food and cover, and the replacement of perches and nest boxes. Where the plan does not include enhancement

measures, a statement will be given explaining why enhancement is not practicable.

342.200. Where fish and wildlife habitat is to be a postmining land use, the plant species to be used on reclaimed areas will be selected on the basis of the following criteria:

342.210. Their proven nutritional value for fish or wildlife;

342.220. Their use as cover for fish or wildlife; and

342.230. Their ability to support and enhance fish or wildlife habitat after the release of performance bonds. The selected plants will be grouped and distributed in a manner which optimizes edge effect, cover, and other benefits to fish and wildlife.

342.300. Where cropland is to be the postmining land use, and where appropriate for wildlife- and crop-management practices, the operator will intersperse the fields with trees, hedges, or fence rows throughout the harvested area to break up large blocks of monoculture and to diversify habitat types for birds and other animals.

342.400. Where residential, public service, or industrial uses are to be the postmining land use, and where consistent with the approved postmining land use, the operator will intersperse reclaimed lands with greenbelts utilizing species of grass, shrubs, and trees useful as food and cover for wildlife.

350. Performance Standards.

351. General Requirements. All coal mining and reclamation operations will be carried out according to plans provided under R645-301-330 through R645-301-340.

352. Contemporaneous Reclamation. Revegetation on all land that is disturbed by coal mining and reclamation operations, will occur as contemporaneously as practicable with mining operations, except when such mining operations are conducted in accordance with a variance for combined SURFACE and UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES issued under R645-302-280. The Division may establish schedules that define contemporaneous reclamation.

353. Revegetation: General Requirements. The permittee will establish on regraded areas and on all other disturbed areas, except water areas and surface areas of roads that are approved as part of the postmining land use, a vegetative cover that is in accordance with the approved permit and reclamation plan.

353.100. The vegetative cover will be:

353.110. Diverse, effective, and permanent;

353.120. Comprised of species native to the area, or of introduced species where desirable and necessary to achieve the approved postmining land use and approved by the Division;

353.130. At least equal in extent of cover to the natural vegetation of the area; and

353.140. Capable of stabilizing the soil surface from erosion.

353.200. The reestablished plant species will:

353.210. Be compatible with the approved postmining land use;

353.220. Have the same seasonal characteristics of growth as the original vegetation;

353.230. Be capable of self-regeneration and plant succession;

353.240. Be compatible with the plant and animal species of the area; and

353.250. Meet the requirements of applicable Utah and federal seed, poisonous and noxious plant; and introduced species laws or regulations.

353.300. The Division may grant exception to the requirements of R645-301-353.220 and R645-301-353.230 when the species are necessary to achieve a quick-growing, temporary, stabilizing cover, and measures to establish permanent vegetation are included in the approved permit and reclamation plan.

353.400. When the approved postmining land use is cropland, the Division may grant exceptions to the requirements of R645-301-353.110, R645-301-353.130, R645-301-353.220 and R645-301-353.230. The requirements of R645-302-317 apply to areas identified as prime farmland.

354. Revegetation: Timing. Disturbed areas will be planted during the first normal period for favorable planting conditions after replacement of the plant-growth medium. The normal period for favorable planting is that planting time generally accepted locally for the type of plant materials selected.

355. Revegetation: Mulching and Other Soil Stabilizing Practices. Suitable mulch and other soil stabilizing practices will be used on all areas that have been regraded and covered by topsoil or topsoil substitutes. The Division may waive this requirement if seasonal, soil, or slope factors result in a condition where mulch and other soil stabilizing practices are not necessary to control erosion and to promptly establish an effective vegetative cover.

356. Revegetation: Standards for Success.

356.100. Success of revegetation will be judged on the effectiveness of the vegetation for the approved postmining land use, the extent of cover compared to the extent of cover of the reference area or other approved success standard, and the general requirements of R645-301-353.

356.110. Standards for success, statistically valid sampling techniques for measuring success, and approved methods are identified in the Division's "Vegetation Information Guidelines, Appendix A."

356.120. Standards for success will include criteria representative of unmined lands in the area being reclaimed to evaluate the appropriate vegetation parameters of ground cover, production, or stocking. Ground cover, production, or stocking will be considered equal to the approved success standard when they are not less than 90 percent of the success standard. The sampling techniques for measuring success will use a 90-percent statistical confidence interval (i.e., one-sided test with a 0.10 alpha error).

356.200. Standards for success will be applied in accordance with the approved postmining land use and, at a minimum, the following conditions:

356.210. For areas developed for use as grazing land or pasture land, the ground cover and production of living plants on the revegetated area will be at least equal to that of a reference area or such other success standards approved by

the Division.

356.220. For areas developed for use as cropland, crop production on the revegetated area will be at least equal to that of a reference area or such other success standards approved by the Division. The requirements of R645-302-310 through R645-302-317 apply to areas identified as prime farmland.

356.230. For areas to be developed for fish and wildlife habitat, recreation, shelter belts, or forest products, success of vegetation will be determined on the basis of tree and shrub stocking and vegetative ground cover. Such parameters are described as follows:

356.231. Minimum stocking and planting arrangements will be specified by the Division on the basis of local and regional conditions and after consultation with and approval by Utah agencies responsible for the administration of forestry and wildlife programs. Consultation and approval will be on a permit specific basis and will be performed in accordance with the "Vegetation Information Guidelines" of the division.

356.232. Trees and shrubs that will be used in determining the success of stocking and the adequacy of plant arrangement will have utility for the approved postmining land use. At the time of bond release, such trees and shrubs will be healthy, and at least 80 percent will have been in place for at least 60 percent of the applicable minimum period of responsibility. No trees and shrubs in place for less than two growing seasons will be counted in determining stocking adequacy.

356.233. Vegetative ground cover will not be less than that required to achieve the approved postmining land use.

356.240. For areas to be developed for industrial, commercial, or residential use less than two years after regrading is completed, the vegetative ground cover will not be less than that required to control erosion.

356.250. For areas previously disturbed by mining that were not reclaimed to the requirements of R645-200 through R645-203 and R645-301 through R645-302 and that are remined or otherwise redisturbed by coal mining and reclamation operations, at a minimum, the vegetative ground cover will be not less than the ground cover existing before redisturbance and will be adequate to control erosion.

356.300. Siltation structures will be maintained until removal is authorized by the Division and the disturbed area has been stabilized and revegetated. In no case will the structure be removed sooner than two years after the last augmented seeding.

356.400. When a siltation structure is removed, the land on which the siltation structure was located will be revegetated in accordance with the reclamation plan and R645-301-353 through R645-301-357.

357. Revegetation: Extended Responsibility Period.

357.100. The period of extended responsibility for successful vegetation will begin after the last year of augmented seeding, fertilization, irrigation, or other work, excluding husbandry practices that are approved by the Division in accordance with paragraph R645-301-357.300.

357.200. Vegetation parameters identified in R645-301-356.200 will equal or exceed the approved success standard during the growing seasons for the last two years of the responsibility period. The period of extended responsibility will continue for five or ten years based on precipitation data reported pursuant to R645-301-724.411, as follows:

357.210. In areas of more than 26.0 inches average annual precipitation, the period of responsibility will continue for a period of not less than five full years.

357.220. In areas of 26.0 inches or less average annual precipitation, the period of responsibility will continue for a period of not less than ten full years.

357.300. Husbandry Practices - General Information

357.301. The Division may approve certain selective husbandry practices without lengthening the extended responsibility period. Practices that may be approved are identified in R645-301-357.310 through R645-301-357.365. The operator may propose to use additional practices, but they would need to be approved as part of the Utah Program in accordance with 30 CFR 732.17. Any practices used will first be incorporated into the mining and reclamation plan and approved in writing by the Division. Approved practices are normal conservation practices for unmined lands within the region which have land uses similar to the approved postmining land use of the disturbed area. Approved practices may continue as part of the postmining land use, but discontinuance of the practices after the end of the bond liability period will not jeopardize permanent revegetation success. Augmented seeding, fertilization, or irrigation will not be approved without extending the period of responsibility for revegetation success and bond liability for the areas affected by said activities and in accordance with R645-301-820.330.

357.302. The Permittee will demonstrate that husbandry practices proposed for a reclaimed area are not necessitated by inadequate grading practices, adverse soil conditions, or poor reclamation procedures.

357.303. The Division will consider the entire area that is bonded within the same increment, as defined in R645-301-820.110, when calculating the extent of area that may be treated by husbandry practices.

357.304. If it is necessary to seed or plant in excess of the limits set forth under R645-301-357.300, the Division may allow a separate extended responsibility period for these reseeded or replanted areas in accordance with R645-301-820.330.

357.310. Reestablishing trees and shrubs

357.311. Trees or shrubs may be replanted or reseeded at a rate of up to a cumulative total of 20% of the required stocking rate through 40% of the extended responsibility period.

357.312. If shrubs are to be established by seed in areas of established vegetation, small areas will be scalped. The number of shrubs to be counted toward the tree and shrub density standard for success from each scalped area is limited to one.

357.320. Weed Control and Associated Revegetation. Weed control through chemical, mechanical, and biological means discussed in R645-301-357.321 through R645-301-357.323 is allowed through the entire extended responsibility period for noxious weeds and through the first 20% of the

responsibility period for other weeds. Any revegetation necessitated by the following weed control methods will be performed according to the seeding and transplanting parameters set forth in R645-301-357.324.

357.321. Chemical Weed Control. Weed control through chemical means, following the current Weed Control Handbook (published annually or biannually by the Utah State University Cooperative Extension Service) and herbicide labels, is allowed.

357.322. Mechanical Weed Control. Mechanical practices that may be approved include hand roguing, grubbing and mowing.

357.323. Biological Weed Control. Selective grazing by domestic livestock is allowed. Biological control of weeds through disease, insects, or other biological weed control agents is allowed but will be approved on a case-by-case basis by the Division, and other appropriate agency or agencies which have the authority to regulate the introduction and/or use of biological control agents.

357.324. Where weed control practices damage desirable vegetation, areas treated to control weeds may be reseeded or replanted according to the following limitations. Up to a cumulative total of 15% of a reclaimed area may be reseeded or replanted during the first 20% of the extended responsibility period without restarting the responsibility period. After the first 20% of the responsibility period, no more than 3% of the reclaimed area may be reseeded in any single year without restarting the responsibility period, and no continuous reseeded area may be larger than one acre. Furthermore, no seeding is allowed after the first 60% of the responsibility period or Phase II bond release, whichever comes first. Any seeding outside these parameters is considered to be "augmentative seeding," and will restart the extended responsibility period.

357.330. Control of Other Pests.

357.331. Control of big game (deer, elk, moose, antelope) may be used only during the first 60% of the extended responsibility period or until Phase II bond release, whichever comes first. Any methods used will first be approved by the Division and, as appropriate, the land management agency and the Utah Division of Wildlife Resources. Methods that may be used include fencing and other barriers, repellents, scaring, shooting, and trapping and relocation. Trapping and special hunts or shooting will be approved by the Division of Wildlife Resources. Other control techniques may be allowed but will be considered on a case-by-case basis by the Division and by the Utah Division of Wildlife Resources. Appendix C of the Division's "Vegetation Information Guidelines" includes a non-exhaustive list of publications containing big game control methods.

357.332. Control of small mammals and insects will be approved on a case-by-case basis by the Utah Division of Wildlife Resources and/or the Utah Department of Agriculture. The recommendations of these agencies will also be approved by the appropriate land management agency or agencies. Small mammal control will be allowed only during the first 60% of the extended responsibility period or until Phase II bond release, whichever comes first. Insect control will be allowed through the entire extended responsibility period if it is determined, through consultation with the Utah Department of Agriculture or Cooperative Extension Service, that a specific practice is being performed on adjacent unmined lands.

357.340. Natural Disasters and Illegal Activities Occurring After Phase II Bond Release. Where necessitated by a natural disaster, excluding climatic variation, or illegal activities, such as vandalism, not caused by any lack of planning, design, or implementation of the mining and reclamation plan on the part of the Permittee, the seeding and planting of the entire area which is significantly affected by the disaster or illegal activities will be allowed as an accepted husbandry practice and thus will not restart the extended responsibility period. Appendix C of the Division's "Vegetation Information Guidelines" references publications that show methods used to revegetate damaged land. Examples of natural disasters that may necessitate reseeding which will not restart the extended responsibility period include wildfires, earthquakes, and mass movements originating outside the disturbed area.

357.341. The extent of the area where seeding and planting will be allowed will be determined by the Division in cooperation with the Permittee.

357.342. All applicable revegetation success standards will be achieved on areas reseeded following a disaster, including R645-301-356.232 for areas with a designated postmining land use of forestry or wildlife.

357.343. Seeding and planting after natural disasters or illegal activities will only be allowed in areas where Phase II bond release has been granted.

357.350. Irrigation. The irrigation of transplanted trees and shrubs, but not of general areas, is allowed through the first 20% of the extended responsibility period. Irrigation may be by such methods as, but not limited to, drip irrigation, hand watering, or sprinkling.

357.360. Highly Erodible Area and Rill and Gully Repair. The repair of highly erodible areas and rills and gullies will not be considered an augmentative practice, and will thus not restart the extended responsibility period, if the affected area as defined in R645-301-357.363 comprises no more than 15% of the disturbed area for the first 20% of the extended responsibility period and if no continuous area to be repaired is larger than one acre.

357.361. After the first 20% of the extended responsibility period but prior to the end of the first 60% of the responsibility period or until Phase II bond release, whichever comes first, highly erodible area and rill and gully repair will be considered augmentative, and will thus restart the responsibility period, if the area to be repaired is greater than 3% of the total disturbed area or if a continuous area is larger than one acre.

357.362. The extent of the affected area will be determined by the Division in cooperation with the Permittee.

357.363. The area affected by the repair of highly erodible areas and rills and gullies is defined as any area that is reseeded as a result of the repair. Also included in the affected areas are interspacial areas of thirty feet or less between repaired rills and gullies. Highly erodible areas are

those areas which cannot usually be stabilized by ordinary conservation treatments and if left untreated can cause severe erosion or sediment damage.

357.364. The repair and/or treatment of rills and gullies which result from a deficient surface water control or grading plan, as defined by the recurrence of rills and gullies, will be considered an augmentative practice and will thus restart the extended responsibility period.

357.365. The Permittee shall demonstrate by specific plans and designs the methods to be used for the treatment of highly erodible areas and rills and gullies. These will be based on a combination of treatments recommended in the Soil Conservation Service Critical Area Planting recommendations, literature recommendations including those found in Appendix C of the Division's "Vegetation Information Guidelines", and other successful practices used at other reclamation sites in the State of Utah. Any treatment practices used will be approved by the Division.

358. Protection of Fish, Wildlife, and Related Environmental Values. The operator will, to the extent possible using the best technology currently available, minimize disturbances and adverse impacts on fish, wildlife, and related environmental values and will achieve enhancement of such resources where practicable.

358.100. No coal mining and reclamation operation will be conducted which is likely to jeopardize the continued existence of endangered or threatened species listed by the Secretary or which is likely to result in the destruction or adverse modification of designated critical habitats of such species in violation of the Endangered Species Act of 1973. The operator will promptly report to the Division any state- or federally-listed endangered or threatened species within the permit area of which the operator becomes aware. Upon notification, the Division will consult with appropriate state and federal fish and wildlife agencies and, after consultation, will identify whether, and under what conditions, the operator may proceed.

358.200. No coal mining and reclamation operations will be conducted in a manner which would result in the unlawful taking of a bald or golden eagle, its nest, or any of its eggs. The operator will promptly report to the Division any golden or bald eagle nest within the permit area of which the operator becomes aware. Upon notification, the Division will consult with the U.S. Fish and Wildlife Service and the Utah Division of Wildlife Resources and, after consultation, will identify whether, and under what conditions, the operator may proceed.

358.300. Nothing in the R645 Rules will authorize the taking of an endangered or threatened species or a bald or golden eagle, its nest, or any of its eggs in violation of the Endangered Species Act of 1973 or the Bald Eagle Protection Act, as amended, 16 U.S.C. 668 et seq.

358.400. The operator conducting coal mining and reclamation operations will avoid disturbances to, enhance where practicable, restore, or replace, wetlands and riparian vegetation along rivers and streams and bordering ponds and lakes. Coal mining and reclamation operations will avoid disturbances to, enhance where practicable, or restore, habitats of unusually high value for fish and wildlife.

358.500. Each operator will, to the extent possible using the best technology currently available:

358.510. Ensure that electric powerlines and other transmission facilities used for, or incidental to, coal mining and reclamation operations on the permit area are designed and constructed to minimize electrocution hazards to raptors, except where the Division determines that such requirements are unnecessary;

358.520. Design fences, overland conveyers, and other potential barriers to permit passage for large mammals, except where the Division determines that such requirements are unnecessary; and

358.530. Fence, cover, or use other appropriate methods to exclude wildlife from ponds which contain hazardous concentrations of toxic-forming materials.

R645-301-400. Land Use and Air Quality.

The rules in R645-301-400 present the requirements for information related to Land Use and Air Quality which are to be included in each permit application.

410. Land Use. Each permit application will include a descriptions of the premining and proposed postmining land use(s).

411. Environmental Description.

411.100. Premining Land-Use Information. The application will contain a statement of the condition and capability of the land which will be affected by coal mining and reclamation operations within the proposed permit area, including:

411.110. A map and supporting narrative of the uses of the land existing at the time of the filing of the application. If the premining use of the land was changed within five years before the anticipated date of beginning the proposed operations, the historic use of the land will also be described;

411.120 A narrative of land capability which analyzes the land-use description in conjunction with other environmental resources information required under R645-301-411.100, and R645-301 and R645-302. The narrative will provide analyses of the capability of the land before any coal mining and reclamation operations to support a variety of uses, giving consideration to soil and foundation characteristics, topography, vegetative cover and the hydrology of the area proposed to be affected by coal mining and reclamation operations; and

411.130. A description of the existing land uses and land-use classifications under local law, if any, of the proposed permit and adjacent areas.

411.140. Cultural and Historic Resources Information. The application will contain maps as described under R645-301-411.141 and a supporting narrative which describe the nature of cultural and historic resources listed or eligible for listing in the National Register of Historic Places and known archeological sites within the permit and adjacent areas. The description will be based on all available information, including, but not limited to, information from the State Historic Preservation Officer and from local archeological, historic, and cultural preservation agencies.

411.141. Cultural and Historic Resources Maps. These maps will clearly show:

411.141.1. The boundaries of any public park and locations of any cultural or historical resources listed or eligible for listing in the National Register of Historic Places and known archeological sites within the permit and adjacent areas;

411.141.2. Each cemetery that is located in or within 100 feet of the proposed permit area; and

411.141.3. Any land within the proposed permit area which is within the boundaries of any units of the National System of Trails or the Wild and Scenic Rivers System, including study rivers designated under section 5(a) of the Wild and Scenic Rivers Act.

411.142. Coordination with the State Historic Preservation Officer (SHPO). The narrative presented under R645-301-411.140 will also describe coordination efforts with and present evidence of clearances by the SHPO. For any publicly owned parks or places listed on the National Register of Historic Places that may be adversely affected by the proposed coal mining and reclamation operations, each plan will describe the measures to be used:

411.142.1. To prevent adverse impacts; or

411.142.2. If valid existing rights exist or joint agency approval is to be obtained under R645-103-236, to minimize adverse impacts.

411.143. The Division may require the applicant to identify and evaluate important historic and archeological resources that may be eligible for listing on the national Register of Historic Places through:

411.143.1. Collection of additional information;

411.143.2. Conducting field investigations; or

411.143.3. Other appropriate analyses.

411.144. The Division may require the applicant to protect historic or archeological properties listed on or eligible for listing on the National Register of Historic Places through appropriate mitigation and treatment measures. Appropriate mitigation and treatment measures may be required to be taken after permit issuance provided that the required measures are completed before the properties are affected by any mining operation.

411.200. Previous Mining Activity. The application will state whether the proposed permit area has been previously mined, and, if so, the following information, if available:

411.210. The type of mining method used;

411.220. The coal seams or other mineral strata mined;

411.230. The extent of coal or other minerals removed;

411.240. The approximate dates of past mining; and

411.250. The uses of the land preceding mining.

412. Reclamation Plan.

412.100. Postmining Land-Use Plan. Each application will contain a detailed description of the proposed use, following reclamation, of the land within the proposed permit area, including a discussion of the utility and capacity of the reclaimed land to support a variety of alternative uses, and the relationship of the proposed use to existing land-use policies and plans. The plan will explain:

412.110. How the proposed postmining land use is to be achieved and the necessary support activities which may be needed to achieve the proposed land use;

412.120. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, where range or grazing is the proposed postmining use, the detailed management plans to be implemented;

412.130. Where a land use different from the premining land use is proposed, all materials needed for approval of the alternative use under R645-301-413.100 through R645-301-413.334, R645-302-270, R645-302-271.100 through R645-302-271.400, R645-302-271.600, R645-302-271.800, and R645-302-271.900; and

412.140. The consideration which has been given to making all of the proposed coal mining and reclamation operations consistent with surface owner plans and applicable Utah and local land-use plans and programs.

412.200. Land Owner or Surface Manager Comments. The description will be accompanied by a copy of the comments concerning the proposed use by the legal or equitable owner of record of the surface of the proposed permit area and Utah and local government agencies which would have to initiate, implement, approve, or authorize the proposed use of the land following reclamation.

412.300. Suitability and Compatibility. Assure that final fills containing excess spoil are suitable for reclamation and revegetation and are compatible with the natural surroundings and the approved postmining land use.

413. Performance Standards.

413.100. Postmining Land Use. All disturbed areas will be restored in a timely manner to conditions that are capable of supporting:

413.110. The uses they were capable of supporting before any mining; or

413.120. Higher or better uses.

413.200. Determining Premining Uses of Land.

413.210. The premining uses of land to which the postmining land use is compared will be those uses which the land previously supported, if the land has not been previously mined and has been properly managed.

413.220. The postmining land use for land that has been previously mined and not reclaimed will be judged on the basis of the land use that existed prior to any mining: provided that, if the land cannot be reclaimed to the land use that existed prior to any mining because of the previously mined condition, the postmining land use will be judged on the basis of the highest and best use that can be achieved which is compatible with surrounding areas and does not require the disturbance of areas previously unaffected by mining.

413.300. Criteria for Alternative Postmining Land Uses. Higher or better uses may be approved by the Division as alternative postmining land uses after consultation with the landowner or the land management agency having jurisdiction over the lands, if the proposed uses meet the following criteria:

413.310. There is a reasonable likelihood for achievement of the use;

413.320. The use does not present any actual or probable hazard to public health or safety, or threat of water diminution or pollution; and

413.330. The use will not:

413.331. Be impractical or unreasonable;

413.332. Be inconsistent with applicable land-use policies or plans;

413.333. Involve unreasonable delay in implementation; or

413.334. Cause or contribute to violation of federal, Utah, or local law.

414. Interpretation of R645-301-412 and R645-301-413.100 through R645-301-413.334, R645-302-270, R645-302-271.100 through R645-302-271.400, R645-302-271.600, R645-302-271.800, and R645-302-271.900 for the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, Reclamation Plan: Postmining Land Use. The requirements of R645-301-412-130, for approval of an alternative postmining land use, may be met by requesting approval through the permit revision procedures of R645-303-220 rather than requesting such approval in the original permit application. The original permit application, however, must demonstrate that the land will be returned to its premining land-use capability as required by R645-301-413.100. An application for a permit revision of this type:

414.100. Must be submitted in accordance with the filing deadlines of R645-303-220;

414.200. Will constitute a significant alteration from the mining operations contemplated by the original permit; and

414.300. Will be subject to the requirements of R645-300-120 through R645-300-155 and R645-300-200.

420. Air Quality.

421. Coal mining and reclamation operations will be conducted in compliance with the requirements of the Clean Air Act (42 U.S.C. Sec. 7401 et seq.) and any other applicable Utah or federal statutes and regulations containing air quality standards.

422. The application will contain a description of coordination and compliance efforts which have been undertaken by the applicant with the Utah Bureau of Air Quality.

423. For all SURFACE COAL MINING AND RECLAMATION ACTIVITIES with projected production rates exceeding 1,000,000 tons of coal per year, the application will contain an air pollution control plan which includes the following:

423.100 An air quality monitoring program to provide sufficient data to evaluate the effectiveness of the fugitive dust control practices proposed under R645-301-423.200 to comply with federal and Utah air quality standards; and

423.200 A plan for fugitive dust control practices as required under R645-301-244.100 and R645-301-244.300.

424. All plans for SURFACE COAL MINING AND RECLAMATION ACTIVITIES with projected production rates of 1,000,000 tons of coal per year or less, will include a plan for fugitive dust control practices as required under R645-301-244 and R645-301-244.300.

425. All plans for SURFACE COAL MINING AND RECLAMATION ACTIVITIES with projected production rates of 1,000,000 tons or less will include an air quality monitoring program, if required by the division, to provide sufficient data to judge the effectiveness of the fugitive dust control plan required under R645-301-424.

R645-301-500. Engineering.

The rules in R645-301-500 present the requirements for engineering information which is to be included in a permit application.

510. Introduction. The engineering section of the permit application is divided into the operation plan, reclamation plan, design criteria, and performance standards. All of the activities associated with the coal mining and reclamation operations must be designed, located, constructed, maintained, and reclaimed in accordance with the operation and reclamation plan. All of the design criteria associated with the operation and reclamation plan must be met.

511. General Requirements. Each permit application will include descriptions of:

511.100. The proposed coal mining and reclamation operations with attendant maps, plans, and cross sections;

511.200. The proposed mining operation and its potential impacts to the environment as well as methods and calculations utilized to achieve compliance with design criteria; and

511.300. Reclamation.

512. Certification.

512.100. Cross Sections and Maps. Certain cross sections and maps required to be included in a permit application will be prepared by, or under the direction of, and certified by a qualified, registered, professional engineer or land surveyor, with assistance from experts in related fields such as hydrology, geology and landscape architecture, and will be updated as required by the Division. The following cross sections and maps will be certified:

512.110. Mine workings to the extent known as described under R645-301-521.110;

512.120. Surface facilities and operations as described under R645-301-521.124, R645-301-521.164, R645-301-521.165 and R645-301-521.167;

512.130. Surface configurations as described under R645-301-542.300 and R645-302-200;

512.140. Hydrology as described under R645-301-722, and as appropriate, R645-301-731.700 through R645-301-731.740; and

512.150. Geologic cross sections and maps as described under R645-301-622.

512.200. Plans and Engineering Designs. Excess spoil, durable rock fills, coal mine waste, impoundments, primary roads and variances from approximate original contour require certification by a qualified registered professional engineer.

512.210. Excess Spoil. The professional engineer experienced in the design of earth and rock fills will certify the design according to R645-301-535.100.

512.220. Durable Rock Fills. The professional engineer experienced in the design of earth and rock fills must certify that the durable rock fill design will ensure the stability of the fill and meet design requirements according to R645-301-535.100 and R645.301-535.300.

512.230. Coal Mine Waste. The professional engineer

experienced in the design of similar earth and waste structures must certify the design of the disposal facility according to R645-301-536.

512.240. Impoundments. The professional engineer will use current, prudent, engineering practices and will be experienced in the design and construction of impoundments and certify the design of the impoundment according to R645-301-743.

512.250. Primary Roads. The professional engineer will certify the design and construction or reconstruction of primary roads as meeting the requirements of R645-301-534.200 and R645-301-742.420.

512.260. Variance From Approximate Original Contour. The professional engineer will certify the design for the proposed variance from the approximate original contour, as described under R645-302-270, in conformance with professional standards established to assure the stability, drainage and configuration necessary for the intended use of the site.

513. Compliance With MSHA Regulations and MSHA Approvals.

513.100. Coal processing waste dams and embankments will comply with MSHA, 30 CFR 77.216-1 and 30 CFR 77.216-2 (see R645-301-528.400 and R645-301-536.820).

513.200. Impoundments and sedimentation ponds meeting the size or other qualifying criteria of MSHA, 30 CFR 77.216(a) will comply with the requirements of MSHA, 30 CFR 77.216 (see R645-301-533.600, R645-301-742.222, and R645-301-742.223).

513.300. Underground development waste, coal processing waste and excess spoil may be disposed of in underground mine workings, but only in accordance with a plan approved by MSHA and the Division (see R645-301-528.321).

513.400. Refuse piles will meet the requirements of MSHA, 30 CFR 77.214 and 30 CFR 77.215 (see R645-301-536.900).

513.500. Each shaft, drift, adit, tunnel, exploratory hole, entryway or other opening to the surface from the underground will be capped, sealed, backfilled or otherwise properly managed consistent with MSHA, 30 CFR 75.1771 (see R645-301-551).

513.600. Discharges into an underground mine are prohibited, unless specifically approved by the Division after a demonstration that the discharge will meet the approval of MSHA (see R645-301-731.511.4).

513.700. The nature, timing and sequence of the SURFACE COAL MINING AND RECLAMATION ACTIVITIES that propose to mine closer than 500 feet to an active underground mine are jointly approved by the Division and MSHA (see R645-301-523.220).

513.800. Coal mine waste fires will be extinguished in accordance with a plan approved by MSHA and the Division (see R645-301-528.323.1).

514. Inspections. All engineering inspections, excepting those described under R645-301-514.330, will be conducted by a qualified registered professional engineer or other qualified professional specialist under the direction of the professional engineer.

514.100. Excess Spoil. The professional engineer or specialist will be experienced in the construction of earth and rock fills and will periodically inspect the fill during construction. Regular inspections will also be conducted during placement and compaction of fill materials.

514.110. Such inspections will be made at least quarterly throughout construction and during critical construction periods. Critical construction periods will include at a minimum:

514.111. Foundation preparation, including the removal of all organic material and topsoil;

514.112. Placement of underdrains and protective filter systems;

514.113. Installation of final surface drainage systems; and

514.114. The final graded and revegetated fill.

514.120. The qualified registered professional engineer will provide a certified report to the Division promptly after each inspection that the fill has been constructed and maintained as designed and in accordance with the approved plan and the R645-301 and R645-302 Rules. The report will include appearances of instability, structural weakness, and other hazardous conditions.

514.130. Certified reports on Drainage System and Protective Filters.

514.131. The certified report on the drainage system and protective filters will include color photographs taken during and after construction, but before underdrains are covered with excess spoil. If the underdrain system is constructed in phases, each phase will be certified separately.

514.132. Where excess durable rock spoil is placed in single or multiple lifts such that the underdrain system is constructed simultaneously with excess spoil placement by the natural segregation of dumped materials, in accordance with R645-301-535.300 and R645-301-745.300, color photographs will be taken of the underdrain as the underdrain system is being formed.

514.133. The photographs accompanying each certified report will be taken in adequate size and number with enough terrain or other physical features of the site shown to provide a relative scale to the photographs and to specifically and clearly identify the site.

514.140. Inspection Reports. A copy of each inspection report will be retained at or near the mine site.

514.200. Refuse Piles. The professional engineer or specialist experienced in the construction of similar earth and waste structures will inspect the refuse pile during construction.

514.210. Regular inspections by the engineer or specialist will also be conducted during placement and compaction of coal mine waste materials. More frequent inspections will be conducted if a danger of harm exists to the public health and safety or the environment. Inspections will continue until the refuse pile has been finally graded and revegetated or until a later time as required by the Division.

514.220. Such inspection will be made at least quarterly throughout construction and during the following critical construction periods:

514.221. Foundation preparation including the removal

of all organic material and topsoil;

514.222. Placement of underdrains and protective filter systems;

514.223. Installation of final surface drainage systems; and

514.224. The final graded and revegetated facility.

514.230. The qualified registered professional engineer will provide a certified report to the Division promptly after each inspection that the refuse pile has been constructed and maintained as designed and in accordance with the approved plan and R645 Rules. The report will include appearances of instability, structural weakness, and other hazardous conditions.

514.240. The certified report on the drainage system and protective filters will include color photographs taken during and after construction, but before underdrains are covered with coal mine waste. If the underdrain system is constructed in phases, each phase will be certified separately. The photographs accompanying each certified report will be taken in adequate size and number with enough terrain or other physical features of the site shown to provide a relative scale to the photographs and to specifically and clearly identify the site.

514.250. A copy of each inspection report will be retained at or near the mine site.

514.300. Impoundments.

514.310. Certified Inspection. The professional engineer or specialist experienced in the construction of impoundments will inspect the impoundment.

514.311. Inspections will be made regularly during construction, upon completion of construction, and at least yearly until removal of the structure or release of the performance bond.

514.312. The qualified registered professional engineer will promptly, after each inspection, provide to the Division, a certified report that the impoundment has been constructed and maintained as designed and in accordance with the approved plan and the R645 Rules. The report will include discussion of any appearances of instability, structural weakness or other hazardous conditions, depth and elevation of any impounded waters, existing storage capacity, any existing or required monitoring procedures and instrumentation and any other aspects of the structure affecting stability.

514.313. A copy of the report will be retained at or near the mine site.

514.320. Weekly Inspections. Impoundments subject to MSHA, 30 CFR 77.216 must be examined in accordance with 30 CFR 77.216-3.

514.330. Quarterly Inspections. Other impoundments, not subject to MSHA, 30 CFR 77.216, will be examined at least quarterly by a qualified person designated by the operator for appearance of structural weakness and other hazardous conditions.

515. Reporting and Emergency Procedures.

515.100. The permit application will incorporate a description of the procedure for reporting a slide. The requirements for the description are: At any time a slide occurs which may have a potential adverse effect on public, property, health, safety, or the environment, the permittee who conducts the coal mining and reclamation operations will notify the Division by the fastest available means and comply with any remedial measures required by the Division.

515.200. Impoundment Hazards. The permit application will incorporate a description of notification when potential impoundment hazards exist. The requirements for the description are: If any examination or inspection discloses that a potential hazard exists, the person who examined the impoundment will promptly inform the Division of the finding and of the emergency procedures formulated for public protection and remedial action. If adequate procedures cannot be formulated or implemented, the Division will be notified immediately. The Division will then notify the appropriate agencies that other emergency procedures are required to protect the public.

515.300. The permit application will incorporate a description of procedures for temporary cessation of operations as follows:

515.310. Temporary abandonment will not relieve a person of his or her obligation to comply with any provisions of the approved permit.

515.311. Each person who conducts UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will effectively support and maintain all surface access openings to underground operations, and secure surface facilities in areas in which there are no current operations, but operations are to be resumed under an approved permit.

515.312. Each person who conducts SURFACE COAL MINING AND RECLAMATION ACTIVITIES will effectively secure surface facilities in areas in which there are no current operations, but in which operations are to be resumed under an approved permit.

515.320. Before temporary cessation of coal mining and reclamation operations for a period of 30 days or more, or as soon as it is known that a temporary cessation will extend beyond 30 days, each person who conducts coal mining and reclamation operations will submit to the Division a notice of intention to cease or abandon operations. This notice will include:

515.321. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, a statement of the exact number of surface acres and the horizontal and vertical extent of subsurface strata which have been in the permit area prior to cessation or abandonment, the extent and kind of reclamation of surface area which will have been accomplished, and identification of the backfilling, regrading, revegetation, environmental monitoring, underground opening closures and water treatment activities that will continue during the temporary cessation.

515.322. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, a statement of the exact number of acres which will have been affected in the permit area prior to such temporary cessation, the extent and kind of reclamation of those areas which will have been accomplished, and identification of the backfilling, regrading, revegetation, environmental monitoring, and water treatment activities that will continue during the temporary cessation.

516. Prevention of Slides in SURFACE COAL

MINING AND RECLAMATION ACTIVITIES. An undisturbed natural barrier will be provided beginning at the elevation of the lowest coal seam to be mined and extending from the outslope for such distance as may be determined by the Division as is needed to assure stability. The barrier will be retained in place to prevent slides and erosion.

520. Operation Plan.

521. General. The applicant will include a plan, with maps, cross sections, narrative, descriptions, and calculations indicating how the relevant requirements are met. The permit application will describe and identify the lands subject to coal mining and reclamation operations over the estimated life of the operations and the size, sequence, and timing of the subareas for which it is anticipated that individual permits for mining will be sought.

521.100. Cross Sections and Maps. The application will include cross sections, maps and plans showing all the relevant information required by the Division, to include, but not be limited to:

521.110. Previously Mined Areas. These maps will clearly show:

521.111. The location and extent of known workings of active, inactive, or abandoned underground mines, including mine openings to the surface within the proposed permit and adjacent areas. The map will be prepared and certified according to R645-301-512; and

521.112. The location and extent of existing or previously surface-mined areas within the proposed permit area. The maps will be prepared and certified according to R645-301-512.

521.120. Existing Surface and Subsurface Facilities and Features. These maps will clearly show:

521.121. The location of all buildings in and within 1000 feet of the proposed permit area, with identification of the current use of the buildings;

521.122. The location of surface and subsurface man-made features within, passing through, or passing over the proposed permit area, including, but not limited to, major electric transmission lines, pipelines, and agricultural drainage tile fields;

521.123. Each public road located in or within 100 feet of the proposed permit area;

521.124. The location and size of existing areas of spoil, waste, coal development waste, and noncoal waste disposal, dams, embankments, other impoundments, and water treatment and air pollution control facilities within the proposed permit area. The map will be prepared and certified according to R645-301-512; and

521.125. The location of each sedimentation pond, permanent water impoundment, coal processing waste bank and coal processing waste dam and embankment in accordance with R645-301-512.100, R645-301-512.230, R645-301-521.143, R645-301-521.169, R645-301-528.340, R645-301-531, R645-301-533.600, R645-301-533.700, R645-301-535.140 through R645-301-535.152, R645-301-536.600, R645-301-536.800, R645-301-542.500, R645-301-732.210, and R645-301-733.100.

521.130. Landowners and Right of Entry and Public Interest Maps. These maps and cross sections will clearly show:

521.131. All boundaries of lands and names of present owners of record of those lands, both surface and subsurface, included in or contiguous to the permit area;

521.132. The boundaries of land within the proposed permit area upon which the applicant has the legal right to enter and begin coal mining and reclamation operations; and

521.133. The measures to be used to ensure that the interests of the public and landowners affected are protected if, under R645-103-234, the applicant seeks to have the Division approve:

521.133.1. Conducting the proposed coal mining and reclamation operations within 100 feet of the right-of-way line of any public road, except where mine access or haul roads join that right-of-way; or

521.133.2. Relocating a public road.

521.140. Mine Maps and Permit Area Maps. These maps and/or cross-section drawings will clearly indicate:

521.141. The boundaries of all areas proposed to be affected over the estimated total life of the coal mining and reclamation operations, with a description of size, sequence and timing of the mining of subareas for which it is anticipated that additional permits will be sought; the coal mining and reclamation operations to be conducted, the lands to be affected throughout the operation, and any change in a facility or feature to be caused by the proposed operations;

521.142. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, the underground workings and the location and extent of areas in which planned-subsidence mining methods will be used and which includes all areas where the measures will be taken to prevent, control, or minimize subsidence and subsidence-related damage (refer to R645-301-525); and

521.143. The proposed disposal sites for placing underground mine development waste and excess spoil generated at surface areas affected by surface operations and facilities for the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES and the proposed disposal site and design of the spoil disposal structures for purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES according to R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

521.150. Land Surface Configuration Maps. These maps will clearly indicate sufficient slope measurements or surface contours to adequately represent the existing land surface configuration of the proposed permit area for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES and the area affected by surface operations and facilities for the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES measured and recorded according to the following:

521.151. Each measurement will consist of an angle of inclination along the prevailing slope extending 100 linear

feet above and below or beyond the coal outcrop or the area to be disturbed, or, where this is impractical, at locations specified by the Division. Maps will be prepared and certified according to R645-301-512; and

521.152. Where the area has been previously mined, the measurements will extend at least 100 feet beyond the limits of mining disturbances, or any other distance determined by the Division to be representative of the premining configuration of the land. Maps will be prepared and certified according to R645-301-512.

521.160. Maps and Cross Sections of the Proposed Features for the Proposed Permit Area. These maps and cross sections will clearly show:

521.161. Buildings, utility corridors, and facilities to be used;

521.162. The area of land to be affected within the proposed permit area, according to the sequence of mining and reclamation;

521.163. Each area of land for which a performance bond or other equivalent guarantee will be posted under R645-301-800;

521.164. Each coal storage, cleaning and loading area. The map will be prepared and certified according to R645-301-512;

521.165. Each topsoil, spoil, coal preparation waste, underground development waste, and noncoal waste storage area. The map will be prepared and certified according to R645-301-512;

521.166. Each source of waste and each waste disposal facility relating to coal processing or pollution control;

521.167. Each explosive storage and handling facility;

521.168. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, each air pollution collection and control facility; and

521.169. Each proposed coal processing waste bank, dam, or embankment. The map will be prepared and certified according to R645-301-512.

521.170. Transportation Facilities Maps. Each permit application will describe each road, conveyor, and rail system to be constructed, used, or maintained within the proposed permit area. The description will include a map, appropriate cross sections, and specifications for each road width, road gradient, road surface, road cut, fill embankment, culvert, bridge, drainage ditch, drainage structure, and each stream ford that is used as a temporary route.

521.180. Support facilities. Each permit applicant will submit a description, plans, and drawings for each support facility to be constructed, used, or maintained within the proposed permit area. The plans and drawings will include a map, appropriate cross sections, design drawings, and specifications to demonstrate compliance with R645-301-526.220 through R645-301-526.222 for each facility.

521.190. Other relevant information required by the Division.

521.200. Signs and Markers Specifications. Signs and markers will:

521.210. Be posted, maintained, and removed by the person who conducts the coal mining and reclamation operations;

521.220. Be a uniform design that can be easily seen and read; be made of durable material; and conform to local laws and regulations;

521.230. Be maintained during all activities to which they pertain;

521.240. Mine and Permit Identification Signs.

521.241. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, identification signs will be displayed at each point of access from public roads to areas of surface operations and facilities on permit areas;

521.242. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, identification signs will be displayed at each point of access to the permit area from public roads;

521.243. Show the name, business address, and telephone number of the permittee who conducts coal mining and reclamation operations and the identification number of the permanent program permit authorizing coal mining and reclamation operations; and

521.244. Be retained and maintained until after the release of all bonds for the permit area;

521.250. Perimeter Markers.

521.251. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, the perimeter of all areas affected by surface operations or facilities before beginning mining activities will be clearly marked; or

521.252. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, the perimeter of a permit area will be clearly marked before the beginning of surface mining activities;

521.260. Buffer Zone Markers.

521.261. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, signs will be erected to mark buffer zones as required under R645-301-731.600 and will be clearly marked to prevent disturbance by surface operations and facilities; or

521.262. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, buffer zones will be marked along their boundaries as required under R645-301-731.600; and

521.270. Topsoil Markers. Markers will be erected to mark where topsoil or other vegetation-supporting material is physically segregated and stockpiled as required under R645-301-234.

522. Coal Recovery. The permit application will include a description of the measures to be used to maximize the use and conservation of the coal resource. The description will assure that coal mining and reclamation operations are conducted so as to maximize the utilization and conservation of the coal, while utilizing the best technology currently available to maintain environmental integrity, so that reaffecting the land in the future through coal mining and reclamation operations is minimized.

523. Mining Method(s). Each application will include a description of the mining operation proposed to be conducted during the life of the mine within the proposed permit area, including, at a minimum, a narrative description of the type

and method of coal mining procedures and proposed engineering techniques, anticipated annual and total production of coal, by tonnage and the major equipment to be used for all aspects of those operations.

523.100. SURFACE COAL MINING AND RECLAMATION ACTIVITIES proposed to be conducted within the permit area within 500 feet of an underground mine will be described to indicate compliance with R645-301-523.200.

523.200. No SURFACE COAL MINING AND RECLAMATION ACTIVITIES will be conducted closer than 500 feet to any point of either an active or abandoned underground mine, except to the extent that:

523.210. The operations result in improved resource recovery, abatement of water pollution, or elimination of hazards to the health and safety of the public; and

523.220. The nature, timing, and sequence of the activities that propose to mine closer than 500 feet to an active underground mine are jointly approved by the Division and MSHA.

524. Blasting and Explosives. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, each permit application will contain a blasting plan for the proposed permit area explaining how the applicant will comply with R645-301-524. This plan will include, at a minimum, information setting forth the limitations the operator will meet with regard to ground vibration and airblast, the bases for those limitations, and the methods to be applied in controlling the adverse effects of blasting operations. Each blasting plan will also contain a description of any system to be used to monitor compliance with the standards of R645-301.524.600 including the type, capability, and sensitivity of any blast-monitoring equipment and proposed procedures and locations of monitoring. Blasting operations conducted within 500 feet of active underground mines require approval of MSHA. Blasts that use more than five pounds of explosive or blasting agent will be conducted according to the schedule required under R645-301-524.400. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, R645-301-524.100 through R645-301-524.700 apply to surface blasting activities incident to underground coal mining, including, but not limited to, initial rounds of slopes and shafts.

524.100. Blaster Certification. The steps taken to achieve compliance with the blaster certification program must be described in the permit application.

524.110. After July 28, 1987, all surface blasting operations incident to underground mining in Utah will be conducted under the direction of a certified blaster.

524.120. Certificates of blaster certification will be carried by blasters or will be on file at the permit area during blasting operations.

524.130. A blaster and at least one other person will be present at the firing of a blast.

524.140. Persons responsible for blasting operations at a blasting site will be familiar with the blasting plan and site-specific performance standards and give on-the-job training to persons who are not certified and who are assigned to the blasting crew or assist in the use of explosives.

524.200. Unless approved by the Division under R645-301-524.220, the blast design must be described in the permit application. The design requirements are:

524.210. An anticipated blast design will be submitted for all blasts if blasting operations will be conducted within:

524.211. 1,000 feet of any building used as a dwelling, public building, school, church, or community or institutional building outside the permit area; or

524.212. 500 feet of an active or abandoned underground mine;

524.220. The blast design may be presented as part of a permit application or at a time, before the blast, if approved by the Division;

524.230. The blast design will contain sketches of the drill patterns, delay periods, and decking and will indicate the type and amount of explosives to be used, critical dimensions, and the location and general description of structures to be protected, as well as a discussion of design factors to be used, which protect the public and meet the applicable airblast, flyrock, and ground-vibration standards in R645-301-524.600;

524.240. The blast design will be prepared and signed by a certified blaster; and

524.250. The Division may require changes to the design submitted.

524.300. The preblasting survey must be described in the permit application. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES preblasting surveys are required for blasts that use more than five pounds of blasting agent or explosives. The requirements are:

524.310. At least 30 days before initiation of blasting, the operator will notify, in writing, all residents or owners of dwellings or other structures located within one-half mile of the permit area how to request a preblasting survey;

524.320. A resident or owner of a dwelling or structure within one-half mile of any part of the permit area may request a preblasting survey. This request will be made, in writing, directly to the operator or to the Division, who will promptly notify the operator. The operator will promptly conduct a preblasting survey of the dwelling or structure and promptly prepare a written report of the survey. An updated survey of any additions, modifications, or renovations will be performed by the operator if requested by the resident or owner;

524.330. The operator will determine the condition of the dwelling or structure and will document any preblasting damage and other physical factors that could reasonably be affected by the blasting. Structures such as pipelines, cables, transmission lines, and cisterns, wells, and other water systems warrant special attention; however, the assessment of these structures may be limited to surface conditions and other readily available data;

524.340. The written report of the survey will be signed by the person who conducted the survey. Copies of the report will be promptly provided to the Division and to the person requesting the survey. If the person requesting the survey disagrees with the contents and/or recommendations contained therein, he or she may submit to both the operator

and the Division a detailed description of the specific areas of disagreement; and

524.350. Any surveys requested more than ten days before the planned initiation of blasting will be completed by the operator before the initiation of blasting.

524.400. The schedule of blasts will be described in the permit application:

524.410. Unscheduled blasts may be conducted only where public or operator health and safety so requires and for emergency blasting actions. When an operator conducts an unscheduled surface blast incidental to coal mining and reclamation operations, the operator, using audible signals, will notify residents within one-half mile of the blasting site and document the reason in accordance with R645-301-524.760;

524.420. All blasting will be conducted between sunrise and sunset unless nighttime blasting is approved by the Division based upon a showing by the operator that the public will be protected from adverse noise and other impacts. The Division may specify more restrictive time periods for blasting;

524.430. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, the operator will notify, in writing, residents within one-half mile of the blasting site and local governments of the proposed times and locations of blasting operations. Such notice of times that blasting is to be conducted may be announced weekly, but in no case less than 24 hours before blasting will occur;

524.440. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, the operator will conduct blasting operations at times approved by the Division and announced in the blasting schedule. The Division may limit the area covered, timing, and sequence of blasting as listed in the schedule, if such limitations are necessary and reasonable in order to protect the public health and safety or welfare;

524.450. Blasting Schedule Publication and Distribution. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES the operator will:

524.451. Publish the blasting schedule in a newspaper of general circulation in the locality of the blasting site at least ten days, but not more than 30 days, before beginning a blasting program;

524.452. Distribute copies of the schedule to local governments and public utilities and to each local residence within one-half mile of the proposed blasting site described in the schedule; and

524.453. Republish and redistribute the schedule at least every 12 months and revise and republish the schedule at least ten days, but not more than 30 days, before blasting whenever the area covered by the schedule changes or actual time periods for blasting significantly differ from the prior announcement; and

524.460. Blasting Schedule Contents. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES the blasting schedule will contain, at a minimum:

524.461. Name, address, and telephone number of operator;

524.462. Identification of the specific areas in which blasting will take place;

524.463. Dates and time periods when explosives are to be detonated;

524.464. Methods to be used to control access to the blasting area; and

524.465. Type and patterns of audible warning and all-clear signals to be used before and after blasting.

524.500. The blasting signs, warnings, and access control must be described in the permit application.

524.510. Blasting Signs. Blasting signs will meet the specifications of R645-301-521.200. The operator will:

524.511. Conspicuously place signs reading "Blasting Area" along the edge of any blasting area that comes within 100 feet of any public-road right-of-way, and at the point where any other road provides access to the blasting area; and

524.512. At all entrances to the permit area from public roads or highways, place conspicuous signs which state "Warning! Explosives in Use", which clearly list and describe the meaning of the audible blast warning and all-clear signals that are in use, and which explain the marking of blasting areas and charged holes awaiting firing within the permit area.

524.520. Warnings. Warning and all-clear signals of different character or pattern that are audible within a range of one-half mile from the point of the blast will be given. Each person within the permit area and each person who resides or regularly works within one-half mile of the permit area will be notified of the meaning of the signals in the blasting schedule for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES and blasting notification required by R645-301-524.430 for the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES.

524.530. Access Control. Access within the blasting areas will be controlled to prevent presence of livestock or unauthorized persons during blasting and until an authorized representative of the operator has reasonably determined that:

524.531. No unusual hazards, such as imminent slides or undetonated charges, exist; and

524.532. Access to and travel within the blasting area can be safely resumed.

524.600. The control of adverse blasting effects must be described in the permit application. The requirements are:

524.610. General Requirements. Blasting will be conducted to prevent injury to persons, damage to public or private property outside the permit area, adverse impacts on any underground mine, and change in the course, channel, or availability of surface or ground water outside the permit area.

524.620. Airblast Limits.

524.621. Airblast will not exceed the maximum limits listed below at the location of any dwelling, public building, school, church, or community or institutional building outside the permit area, except as provided in R645-301-524.690.

TABLE

Lower Frequency Limit of Measuring System, HZ(+3dB)	Maximum Level dB
0.1 Hz or lower - flat response(1)	134 peak
2 Hz or lower - flat response	133 peak
6 Hz or lower - flat response	129 peak
C-weighted - slow response(1)	105 peak dBC

(1)Only when approved by the Division.

524.622. If necessary to prevent damage, the Division may specify lower maximum allowable airblast levels than those of R645-301-524.621 for use in the vicinity of a specific blasting operation.

524.630. Monitoring.

524.631. The operator will conduct periodic monitoring to ensure compliance with the airblast standards. The Division may require airblast measurement of any or all blasts and may specify the locations at which such measurements are taken.

524.632. The measuring systems used will have an upper-end flat-frequency response of at least 200 Hz.

524.633. Flyrock. Flyrock traveling in the air or along the ground will not be cast from the blasting site - more than one-half the distance to the nearest dwelling or other occupied structure; beyond the area of control required under R645-301-524.530; or beyond the permit boundary.

524.640. Ground Vibration.

524.641. General. In all blasting operations, except as otherwise authorized in R645-301-524.690, the maximum ground vibration will not exceed the values approved by the Division. The maximum ground vibration for protected structures listed in R645-301-524.642 will be established in accordance with either the maximum peak-particle-velocity limits of R645-301-524.642 and R645-301-524.643, the scaled-distance equation of R645-301-524.650, the blasting-level chart of R645-301-524.660, or by the Division under R645-301-524.670. All structures in the vicinity of the blasting area, not listed in R645-301-524.642, such as water towers, pipelines and other utilities, tunnels, dams, impoundments, and underground mines will be protected from damage by establishment of a maximum allowable limit on the ground vibration, submitted by the operator and approved by the Division before the initiation of blasting.

524.642. Maximum Peak-Particle Velocity. The maximum ground vibration will not exceed the following limits at the location of any dwelling, public building, school, church, or community or institutional building outside the permit area:

TABLE
EXPLOSIVES

Distance (D) from Blast Site in feet	Maximum allowable Particle Velocity (Vmax) for ground vibration, in inches/second(1)	Scaled distance factor to be applied without seismic monitoring(2) (Ds)
0 to 300	1.25	50
301 to 5,000	1.00	55
5,001 and beyond	0.75	65

(1)Ground vibration will be measured as the particle velocity. Particle velocity will be recorded in three mutually perpendicular directions. The maximum allowable peak particle velocity will apply to each of the three measurements.

(2)Applicable in the scaled-distance equation of R645-301-524.651.

524.643. A seismographic record will be provided for each blast.

524.650. Scaled-distance equation.

524.651. An operator may use the scaled-distance equation, $W=(D/Ds)^2$, to determine the allowable charge weight of explosives to be detonated in any eight-millisecond period, without seismic monitoring: where W=the maximum weight of explosives, in pounds: D=the distance, in feet, from the blasting site to the nearest protected structure: and Ds=the scaled-distance factor, which may initially be approved by the Division using the values for scaled-distance factor listed in R645-301-524.642.

524.652. The development of a modified scaled-distance factor may be authorized by the Division on receipt of a written request by the operator, supported by seismographic records of blasting at the mine site. The modified scaled-distance factor will be determined such that the particle velocity of the predicted ground vibration will not exceed the prescribed maximum allowable peak particle velocity of R645-301-524.642, at a 95-percent confidence level.

524.660. Blasting-Level-Chart.

524.661. An operator may use the ground-vibration limits in Figure 1 to determine the maximum allowable ground vibration.

(Figure 1, showing maximum allowable ground particle velocity at specified frequencies, is incorporated by reference. Figure 1 may be viewed at 30 CFR 817.67 or at the Division of Oil, Gas and Mining State Office.)

524.662. If the Figure 1 limits are used, a seismographic record including both particle velocity and vibration-frequency levels will be provided for each blast. The method for the analysis of the predominant frequency contained in the blasting records will be approved by the Division before application of this alternative blasting criterion.

524.670. The maximum allowable ground vibration will be reduced by the Division beyond the limits otherwise provided R645-301-524.640, if determined necessary to provide damage protection.

524.680. The Division may require an operator to conduct seismic monitoring of any or all blasts and may specify the location at which the measurements are taken and the degree of detail necessary in the measurement.

524.690. The maximum airblast and ground-vibration standards of R645-301-524.620 through R645-301-524.632 and R645-301-524.640 through R645-301-524.680 will not apply at the following locations: At structures owned by the permittee and not leased to another person; and at structures owned by the permittee and leased to another person, if a written waiver by the lessee is submitted to the Division before blasting.

524.700. Records of Blasting Operations. The permit application will incorporate a description of the blasting records to be maintained at the mine site for at least three years and upon request, make blasting records available for

inspection by the Division or the public. Blasting records will contain the following information:

524.710. A record, including:

524.711. Name of the operator conducting the blast;

524.712. Location, date, and time of the blast; and

524.713. Name, signature, and certification number of the blaster conducting the blast; and

524.720. Identification, direction, and distance, in feet, from the nearest blast hole to the nearest dwelling, public building, school, church, community or institutional building outside the permit area, except those described in R645-301-524.690;

524.730. Weather conditions, including those which may cause possible adverse blasting effects;

524.740. A record of the blast, including:

524.741. Type of material blasted;

524.742. Sketches of the blast pattern including number of holes, burden, spacing, decks, and delay pattern;

524.743. Diameter and depth of holes;

524.744. Types of explosives used;

524.745. Total weight of explosives used per hole;

524.746. The maximum weight of explosives detonated in an eight-millisecond period;

524.747. Initiation system;

524.748. Type and length of stemming; and

524.749. Mats or other protections used;

524.750. If required, a record of seismographic and airblast information, which will include:

524.751. Type of instrument, sensitivity, and calibration signal or certification of annual calibration;

524.752. Exact location of instrument and the date, time, and distance from the blast;

524.753. Name of the person and firm taking the reading;

524.754. Name of the person and firm analyzing the seismographic record; and

524.755. The vibration and/or airblast level recorded; and

524.760. The reasons and conditions for each unscheduled blast.

524.800. Each operator will comply with all appropriate Utah and federal laws and regulations in the use of explosives.

525. Subsidence control plan.

525.100. Pre-subsidence survey. Each application for UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will include:

525.110. A map of the permit and adjacent areas at a scale of 1:12,000, or larger if determined necessary by the Division, showing the location and type of structures and renewable resource lands that subsidence may materially damage or for which the value or reasonably foreseeable use may be diminished by subsidence, and showing the location and type of State-appropriated water that could be contaminated, diminished, or interrupted by subsidence.

525.120. A narrative indicating whether subsidence, if it occurred, could cause material damage to or diminish the value or reasonably foreseeable use of such structures or renewable resource lands or could contaminate, diminish, or interrupt State-appropriated water supplies.

525.130. A survey of the condition of all non-commercial buildings or occupied residential dwellings and structures related thereto, that may be materially damaged or for which the reasonably foreseeable use may be diminished by subsidence, within the area encompassed by the applicable angle of draw; as well as a survey of the quantity and quality of all State-appropriated water supplies within the permit area and adjacent area that could be contaminated, diminished, or interrupted by subsidence. If the applicant cannot make this survey because the owner will not allow access to the site, the applicant will notify the owner, in writing, of the effect that denial of access will have as described in R645-301-525. The applicant must pay for any technical assessment or engineering evaluation used to determine the pre-mining condition or value of such non-commercial buildings or occupied residential dwellings and structures related thereto and the quantity and quality of State-appropriated water supplies. The applicant must provide copies of the survey and any technical assessment or engineering evaluation to the property owner and to the Division.

525.200. Protected areas.

525.210. Unless excepted by R645-301-525.213, UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will not be conducted beneath or adjacent to:

525.211. Public buildings and facilities;

525.212. Churches, schools, and hospitals;

525.213. Impoundments with a storage capacity of 20 acre-feet or more or bodies of water with a volume of 20 acre-feet or more, unless the subsidence control plan demonstrates that subsidence will not cause material damage to, or reduce the reasonably foreseeable use of, such features or facilities; and

525.214. If the Division determines that it is necessary in order to minimize the potential for material damage to the features or facilities described above or to any aquifer or body of water that serves as a significant water source for any public water supply system, it may limit the percentage of coal extracted under or adjacent thereto.

525.220. If subsidence causes material damage to any of the features or facilities covered by R645-301-525.210, the Division may suspend mining under or adjacent to such features or facilities until the subsidence control plan is modified to ensure prevention of further material damage to such features or facilities.

525.230. The Division will suspend coal mining and reclamation operations under urbanized areas, cities, towns, and communities, and adjacent to industrial or commercial buildings, major impoundments, or perennial streams, if imminent danger is found to inhabitants of the urbanized areas, cities, towns, or communities.

525.240. Within a schedule approved by the Division, the operator will submit a detailed plan of the underground workings. The detailed plan will include maps and descriptions, as appropriate, of significant features of the underground mine, including the size, configuration, and approximate location of pillars and entries, extraction ratios, measure taken to prevent or minimize subsidence and related damage, areas of full extraction, and other information

required by the Division. Upon request of the operator, information submitted with the detailed plan may be held as confidential, in accordance with the requirements of R645-300-124.

525.300. Subsidence control.

525.310. Measures to prevent or minimize damage.

525.311. The permittee will either adopt measures consistent with known technology that prevent subsidence from causing material damage to the extent technologically and economically feasible, maximize mine stability, and maintain the value and reasonably foreseeable use of surface lands or adopt mining technology that provides for planned subsidence in a predictable and controlled manner.

525.312. If a permittee employs mining technology that provides for planned subsidence in a predictable and controlled manner, the permittee must take necessary and prudent measures, consistent with the mining method employed, to minimize material damage to the extent technologically and economically feasible to non-commercial buildings and occupied residential dwellings and structures related thereto except that measures required to minimize material damage to such structures are not required if:

525.312.1. The permittee has the written consent of their owners or

525.312.2. Unless the anticipated damage would constitute a threat to health or safety, the costs of such measures exceed the anticipated costs of repair.

525.313. Nothing in this part prohibits the standard method of room-and-pillar mining.

525.400. Subsidence control plan contents. If the survey conducted under R645-301-525.100 shows that no structures, or State-appropriated water supplies, or renewable resource lands exist, or that no material damage or diminution in value or reasonably foreseeable use of such structures or lands, and no contamination, diminution, or interruption of such water supplies would occur as a result of mine subsidence, and if the Division agrees with this conclusion, no further information need be provided under this section. If the survey shows that structures, renewable resource lands, or water supplies exist and that subsidence could cause material damage or diminution in value or reasonably foreseeable use, or contamination, diminution, or interruption of state-appropriated water supplies, or if the Division determines that damage, diminution in value or foreseeable use, or contamination, diminution, or interruption could occur, the application must include a subsidence control plan that contains the following information:

525.410. A description of the method of coal removal, such as longwall mining, room-and-pillar removal or hydraulic mining, including the size, sequence and timing of the development of underground workings;

525.420. A map of the underground workings that describes the location and extent of the areas in which planned-subsidence mining methods will be used and that identifies all areas where the measures described in 525.440, 525.450, and 525.470 will be taken to prevent or minimize subsidence and subsidence-related damage; and, when applicable, to correct subsidence-related material damage;

525.430. A description of the physical conditions, such as depth of cover, seam thickness and lithology of overlaying strata, that affect the likelihood or extent of subsidence and subsidence-related damage;

525.440. A description of the monitoring, if any, needed to determine the commencement and degree of subsidence so that, when appropriate, other measures can be taken to prevent, reduce or correct material damage in accordance with R645-301-525.500;

525.450. Except for those areas where planned subsidence is projected to be used, a detailed description of the subsidence control measures that will be taken to prevent or minimize subsidence and subsidence-related damage, such as, but not limited to:

525.451. Backstowing or backfilling of voids;

525.452. Leaving support pillars of coal;

525.453. Leaving areas in which no coal is removed, including a description of the overlying area to be protected by leaving coal in place; and

525.454. Taking measures on the surface to prevent or minimize material damage or diminution in value of the surface;

525.460. A description of the anticipated effects of planned subsidence, if any;

525.470. For those areas where planned subsidence is projected to be used, a description of methods to be employed to minimize damage from planned subsidence to non-commercial buildings and occupied residential dwellings and structures related thereto; or the written consent of the owner of the structure or facility that minimization measures not be taken; or, unless the anticipated damage would constitute a threat to health or safety, a demonstration that the costs of minimizing damage exceed the anticipated costs of repair;

525.480. A description of the measures to be taken in accordance with R645-301-731.530 and R645-301-525.500 to replace adversely affected State-appropriated water supplies or to mitigate or remedy any subsidence-related material damage to the land and protected structures; and

525.490. Other information specified by the Division as necessary to demonstrate that the operation will be conducted in accordance with R645-301-525.300.

525.500. Repair of damage.

525.510. Repair of damage to surface lands. The permittee must correct any material damage resulting from subsidence caused to surface lands, to the extent technologically and economically feasible, by restoring the land to a condition capable of maintaining the value and reasonably foreseeable uses that it was capable of supporting before subsidence damage.

525.520. Repair or compensation for damage to non-commercial buildings and dwellings and related structures. The permittee must promptly repair, or compensate the owner for, material damage resulting from subsidence caused to any non-commercial building or occupied residential dwelling or structure related thereto that existed at the time of mining. If repair option is selected, the permittee must fully rehabilitate, restore or replace the damaged structure. If compensation is selected, the permittee must compensate the owner of the damaged structure for the full amount of the decrease in value resulting from the subsidence-related damage. The permittee

may provide compensation by the purchase, before mining, of a non-cancelable premium-prepaid insurance policy. The requirements of this paragraph apply only to subsidence-related damage caused by underground coal mining and reclamation activities conducted after October 24, 1992.

525.530. Repair or compensation for damage to other structures. The permittee shall either correct material damage resulting from subsidence caused to any structures or facilities not protected by paragraph 525.520 by repairing the damage or compensate the owner of the structures or facilities for the full amount of the decrease in value resulting from the subsidence. Repair of damage includes rehabilitation, restoration, or replacement of damaged structures or facilities. Compensation may be accomplished by the purchase before mining of a non-cancelable premium-prepaid insurance policy.

525.540. Rebuttable presumption of causation by subsidence.

525.541. Rebuttable presumption of causation for damage within angle of draw. If damage to any non-commercial building or occupied residential dwelling or structure related thereto occurs as a result of earth movement within an area determined by projecting an angle of draw equal to that used for that particular mine's compliance with R645-301 from the outermost boundary of any underground mine workings to the surface of the land, a rebuttable presumption exists that the permittee caused the damage. This presumption will normally apply to a 30 degree angle of draw from the vertical, however, the Division may amend the applicable angle of draw for a particular mine through the process described in R645-301-525.542.

525.542. Approval of site-specific angle of draw. A permittee or permit applicant may request that the presumption apply to an angle of draw different than 30 degrees. To establish a site-specific angle of draw, an applicant must demonstrate and the Division must determine in writing that the proposed angle of draw has a more reasonable basis than 30 degrees and is based on a site-specific geotechnical analysis of the potential surface impacts of the mining operation.

525.543. No presumption where access for pre-subsidence survey is denied. If the permittee was denied access to the land or property for the purpose of conducting the pre-subsidence survey in accordance with R645-301-525.130 no rebuttable presumption will exist.

525.544. Rebuttal of presumption. The presumption will be rebutted if, for example, the evidence establishes that: The damage predated the mining in question; the damage was proximately caused by some other factor or factors and was not proximately caused by subsidence; or the damage occurred outside the surface area within which subsidence was actually caused by the mining in question.

525.545. Information to be considered in determination of causation. In any determination whether damage to protected structures was caused by subsidence from underground mining, all relevant and reasonably available information will be considered by the Division.

525.550. Adjustment of bond amount for subsidence damage. When subsidence-related material damage to land, structures or facilities protected under R645-301-525.500 through R645-301-525.530 occurs, or when contamination, diminution, or interruption to a water supply protected under Sec. R645-301-731.530 occurs, the Division must require the permittee to obtain additional performance bond in the amount of the estimated cost of the repairs if the permittee will be repairing, or in the amount of the decrease in value if the permittee will be compensating the owner, or in the amount of the estimated cost to replace the State-appropriated water supply if the permittee will be replacing the water supply, until the repair, compensation, or replacement is completed. If repair, compensation, or replacement is completed within 90 days of the occurrence of damage, no additional bond is required. The Division may extend the 90-day time frame, but not to exceed one year, if the permittee demonstrates and the Division finds in writing that subsidence is not complete, that not all probable subsidence-related material damage has occurred to lands or protected structures, or that not all reasonably anticipated changes have occurred affecting the State-appropriated water supply, and that therefore it would be unreasonable to complete within 90 days the repair of the subsidence-related material damage to lands or protected structures, or the replacement of State-appropriated water supply.

525.600. Compliance. The operator will comply with all provisions of the approved subsidence control plan.

525.700. Public Notice of Proposed Mining. At least six months prior to mining, or within that period if approved by the Division, the underground mine operator will mail a notification to all owners and occupants of surface property and structures above the underground workings. The notification will include, at a minimum, identification of specific areas in which mining will take place, dates that specific areas will be undermined, and the location or locations where the operator's subsidence control plan may be examined.

526. Mine Facilities. The permit application will include a narrative explaining the construction, modification, use, maintenance and removal of the following facilities (unless retention of such facility is necessary for the postmining land use as specified under R645-301-413.100 through R645-301-413.334, R645-302-270, R645-302-271.100 through R645-302-271.400, R645-302-271.600, R645-302-271.800, and R645-302-271.900:

526.100. Mine Structures and Facilities.

526.110. Existing Structures. A description of each existing structure proposed to be used in connection with or to facilitate the coal mining and reclamation operation. The description will include:

526.111. Location;

526.112. Plans or photographs of the structure which describe or show its current condition;

526.113. Approximate dates on which construction of the existing structure was begun and completed;

526.114. A showing, including relevant monitoring data or other evidence, how the structure meets the requirements of R645-301;

526.115. A compliance plan for each existing structure proposed to be modified or reconstructed for use in

connection with or to facilitate coal mining and reclamation operations. The compliance plan will include:

526.115.1. Design specifications for the modification or reconstruction of the structure to meet the design standards of R645-301;

526.115.2. A construction schedule which shows dates for beginning and completing interim steps and final reconstruction;

526.115.3. A schedule for monitoring the structure during and after modification or reconstruction to ensure that the requirements of R645-301 are met; and

526.115.4. A showing that the risk of harm to the environment or to public health or safety is not significant during the period of modification or reconstruction; and

526.116. The measures to be used to ensure that the interests of the public and landowners affected are protected if the applicant seeks to have the Division approve:

526.116.1. Conducting the proposed coal mining and reclamation operations within 100 feet of the right-of-way line of any public road, except where mine access or haul roads join that right-of-way; or

526.116.2. Relocating a public road;

526.200. Utility Installation and Support Facilities.

526.210. The utility installations description must state that all coal mining and reclamation operations will be conducted in a manner which minimizes damage, destruction, or disruption of services provided by oil, gas, and water wells; oil, gas, and coal-slurry pipelines, railroads; electric and telephone lines; and water and sewage lines which pass over, under, or through the permit area, unless otherwise approved by the owner of those facilities and the Division.

526.220. The support facilities description must state that support facilities will be operated in accordance with a permit issued for the mine or coal preparation plant to which it is incident or from which its operation results. Plans and drawings for each support facility to be constructed, used, or maintained within the proposed permit area will include a map, appropriate cross sections, design drawings, and specifications sufficient to demonstrate how each facility will comply with applicable performance standards. In addition to the other provisions of R645-301, support facilities will be located, maintained, and used in a manner that:

526.221. Prevents or controls erosion and siltation, water pollution, and damage to public or private property; and

526.222. To the extent possible using the best technology currently available - minimizes damage to fish, wildlife, and related environmental values; and minimizes additional contributions of suspended solids to streamflow or runoff outside the permit area. Any such contributions will not be in excess of limitations of Utah or Federal law;

526.300. Water pollution control facilities; and

526.400. For SURFACE COAL MINING AND RECLAMATION ACTIVITIES, air pollution control facilities.

527. Transportation Facilities.

527.100. The plan must classify each road.

527.110. Each road will be classified as either a primary road or an ancillary road.

527.120. A primary road is any road which is:

527.121. Used for transporting coal or spoil;

527.122. Frequently used for access or other purposes for a period in excess of six months; or

527.123. To be retained for an approved postmining land use.

527.130. An ancillary road is any road not classified as a primary road.

527.200. The plan must include a detailed description of each road, conveyor, and rail system to be constructed, used, or maintained within the proposed permit area. The description will include a map, appropriate cross sections, and the following:

527.210. Specifications for each road width, road gradient, road surface, road cut, fill embankment, culvert, bridge, drainage ditch, and drainage structure;

527.220. Measures to be taken to obtain Division approval for alteration or relocation of a natural drainageway under R645-301-358, R645-301-512.250, R645-301-527.100, R645-301-527.230, R645-301-527.240, R645-301-534.100, R645-301-534.300, R645-301-542.600, R645-301-742.410, R645-301-742.420, and R645-301-752.200;

527.230. A maintenance plan describing how roads will be maintained throughout their life to meet the design standards throughout their use.

527.240. A commitment that if a road is damaged by a catastrophic event, such as a flood or earthquake, the road will be repaired as soon as practical after the damage has occurred.

527.250. A report of appropriate geotechnical analysis, where approval of the Division is required for alternative specifications, or for steep cut slopes.

528. Handling and Disposal of Coal, Overburden, Excess Spoil, and Coal Mine Waste. The permit application will include a narrative explaining the construction, modification, use, maintenance, and removal of the following facilities (unless retention of such facility is necessary for the postmining land use as specified under R645-301-413.100 through R645-301-413.334, R645-302-270, R645-302-271.100 through R645-302-271.400, R645-302-271.600, R645-302-271.800, and R645-302-271.900):

528.100. Coal removal, handling, storage, cleaning, and transportation areas and structures;

528.200. Overburden;

528.300. Spoil, coal processing waste, mine development waste, and noncoal waste removal, handling, storage, transportation, and disposal areas and structures;

528.310. Excess Spoil. Excess spoil will be placed in designated disposal areas within the permit area, in a controlled manner to ensure mass stability and prevent mass movement during and after construction. Excess spoil will meet the design criteria of R645-301-535. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, the permit application must include a description of the proposed disposal site and the design of the spoil disposal structures according to R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-536.300, R645-301-

542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

528.320. Coal Mine Waste. All coal mine waste will be placed in new or existing disposal areas within a permit area which are approved by the Division for this purpose. Coal mine waste will meet the design criteria of R645-301-536, however, placement of coal mine waste by end or side dumping is prohibited.

528.321. Return of Coal Processing Waste to Abandoned Underground Workings. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, each plan will describe the design, operation and maintenance of any proposed coal processing waste disposal facility, including flow diagrams and any other necessary drawings and maps, for the approval of the Division and MSHA under R645-301-536.520 and meet the design criteria of R645-301-536.700.

528.322. Refuse Piles. Each pile will meet the requirements of MSHA, 30 CFR 77.214 and 30 CFR 77.215, meet the design criteria of R645-301-210, R645-301-512.230, R645-301-513.400, R645-301-514.200, R645-301-515.200, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-536.900, R645-301-542.730, R645-301-553.250, R645-301-746.100, R645-301-746.200, and any other applicable requirements.

528.323. Burning and Burned Waste Utilization.

528.323.1. Coal mine waste fires will be extinguished by the person who conducts coal mining and reclamation operations, in accordance with a plan approved by the Division and MSHA. The plan will contain, at a minimum, provisions to ensure that only those persons authorized by the operator, and who have an understanding of the procedures to be used, will be involved in the extinguishing operations.

528.323.2. No burning or burned coal mine waste will be removed from a permitted disposal area without a removal plan approved by the Division. Consideration will be given to potential hazards to persons working or living in the vicinity of the structure.

528.330. Noncoal Mine Waste.

528.331. Noncoal mine wastes including, but not limited to, grease, lubricants, paints, flammable liquids, garbage, abandoned mining machinery, lumber and other combustible materials generated during mining activities will be placed and stored in a controlled manner in a designated portion of the permit area.

528.332. Final disposal of noncoal mine wastes will be in a designated disposal site in the permit area or a State-approved solid waste disposal area. Disposal sites in the permit area will be designed and constructed to ensure that leachate and drainage from the noncoal mine waste area does not degrade surface or underground water. Wastes will be routinely compacted and covered to prevent combustion and wind-borne waste. When the disposal is completed, a minimum of two feet of soil cover will be placed over the site, slopes, stabilized, and revegetation accomplished in accordance with R645-301-244.200 and R645-301-353 through R645-301-357. Operation of the disposal site will be conducted in accordance with all local, Utah, and Federal requirements.

528.333. At no time will any noncoal mine waste be deposited in a refuse pile or impounding structure, nor will any excavation for a noncoal mine waste disposal site be located within eight feet of any coal outcrop or coal storage area.

528.334. Notwithstanding any other provision to the R645 Rules, any noncoal mine waste defined as "hazardous" under 3001 of the Resource Conservation and Recovery Act (RCRA) (Pub. L. 94-580, as amended) and 40 CFR Part 261 will be handled in accordance with the requirements of Subtitle C of RCRA and any implementing regulations.

528.340. Underground Development Waste. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES the permit application must include a description of the proposed disposal methods for placing underground development waste and excess spoil generated at surface areas affected by surface operations and facilities according to R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-536.300, R645-301-536.600, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

528.350. The permit application will include a description of measures to be employed to ensure that all debris, acid-forming and toxic-forming materials, and materials constituting a fire hazard are disposed of in accordance with R645-301-528.330, R645-301-537.200, R645-301-542.740, R645-301-553.100 through R645-301-553.600, R645-301-553.900, and R645-301-747 and a description of the contingency plans which have been developed to preclude sustained combustion of such materials; and

528.400. Dams, embankments and other impoundments.

529. Management of Mine Openings. The permit application will include a description of the measures to be used to seal or manage mine openings within the proposed permit area.

529.100. Each shaft or other exposed underground opening will be cased, lined, or otherwise managed as approved by the Division. If these openings are uncovered or exposed by coal mining and reclamation operations within the permit area they will be permanently closed unless approved for water monitoring or otherwise managed in a manner approved by the Division.

529.200. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES:

529.210. Each mine entry which is temporarily inactive, but has a further projected useful service under the approved permit application, will be protected by barricades or other covering devices, fenced, and posted with signs, to prevent access into the entry and to identify the hazardous nature of the opening. These devices will be periodically inspected and maintained in good operating condition by the person who conducts the activity.

529.220. Each shaft and underground opening which has been identified in the approved permit application for use to return underground development waste, coal processing

waste or water to underground workings will be temporarily sealed until actual use.

529.300. R645-301-529 does not apply to holes drilled and used for blasting, in the area affected by surface operations.

529.400. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, each exposed underground opening which has been identified in the approved permit application for use to return coal processing waste to underground workings will be temporarily sealed before use and protected during use by barricades, fences, or other protective devices approved by the Division. These devices will be periodically inspected and maintained in good operating condition by the person who conducts the activity.

530. Operational Design Criteria and Plans.

531. General. Each permit application will include a general plan for each proposed sediment pond, water impoundment, and coal processing waste bank, dam or embankment within the proposed permit area. Each general plan will describe the potential effect on the structure from subsidence of the subsurface strata resulting from past underground mining operations, if underground mining has occurred.

532. Sediment Control. The permit application will describe designs for sediment control. Sediment control measures include practices carried out within and adjacent to the disturbed area. The sedimentation storage capacity of practices in and downstream from the disturbed areas will reflect the degree to which successful mining and reclamation techniques are applied to reduce erosion and control sediment. Sediment control measures consist of the utilization of proper mining and sediment control practices, singly or in combination. Sediment control methods include but are not limited to:

532.100. Disturbing the smallest practicable area at any one time during the mining operation through progressive backfilling, grading, and prompt revegetation as required in R645-301-353.200; and

532.200. Stabilizing the backfilled material to promote a reduction of the rate and volume of runoff in accordance with the requirements of R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.420, R645-301-553.600, and R645-301-553.900.

533. Impoundments.

533.100. An impoundment meeting the size or other criteria of 30 CFR 77.216(a) or located where failure would be expected to cause loss of life or serious property damage will have a minimum static safety factor of 1.5 for a normal pool with steady state seepage saturation conditions, and a seismic safety factor of at least 1.2. Impoundments not meeting the size or other criteria of 30 CFR 77.216(a), except for coal mine waste impounding structure, and located where failure would not be expected to cause loss of life or serious property damage will have a minimum static safety factor of 1.3 for normal pool with steady state seepage saturation conditions or meet the requirements of R645-301-733.210.

533.200. Foundation for temporary and permanent impoundments must be designed so that:

533.210. Foundation and abutments for the impounding structure will be stable under all conditions of construction and operation of the impoundment. Sufficient foundation investigations and laboratory testing will be performed in order to determine the design requirements for foundation stability; and

533.220. All vegetative and organic materials will be removed and foundations excavated and prepared to resist failure. Cutoff trenches will be installed if necessary to ensure stability.

533.300. Slope protection will be provided to protect against surface erosion at the site and protect against sudden drawdown.

533.400. Faces of embankments and surrounding areas will be vegetated except that faces where water is impounded may be riprapped or otherwise stabilized in accordance with accepted design practices.

533.500. The vertical portion of any remaining highwall will be located far enough below the low-water line along the full extent of highwall to provide adequate safety and access for the proposed water users.

533.600. Impoundments meeting the criteria of MSHA, 30 CFR 77.216(a) will comply with the requirements of MSHA, 30 CFR 77.216 and R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.224, and R645-301-743. The plan required to be submitted to the District Manager of MSHA under 30 CFR 77.216 will also be submitted to the Division as part of the permit application.

533.610. Each detailed design plan for a structure that meets or exceeds the size or other criteria of MSHA, 30 CFR 77.216(a) will include any geotechnical investigation, design, and construction requirements for the structure. The operation and maintenance requirements for each structure will be described.

533.620. If the structure is 20 feet or higher or impounds more than 20 acre-feet, each plan under R645-301-536.800, R645-301-732.210, and R645-301-733.210 will include a stability analysis of each structure. The stability analysis will include, but not be limited to, strength parameters, pore pressures, and long-term seepage conditions. The plan will also contain a description of each engineering design assumption and calculation with a discussion of each alternative considered in selecting the specific design parameters and construction methods.

533.700. Each detailed design plan for a structure that does not meet the size or other criteria of MSHA, 30 CFR 77.216(a) will include any design and construction requirements for the structure, including any required geotechnical information. The operation and maintenance requirements for each structure will be described.

534. Roads. The permit application will describe designs for roads.

534.100. Roads will be located, designed, constructed, reconstructed, used, maintained, and reclaimed so as to:

534.110. Prevent or control damage to public or private property;

534.120. Use nonacid- or nontoxic-forming substances in road surfacing; and

534.130. Have, at a minimum, a static safety factor of 1.3 for all embankments.

534.140. Have a schedule and plan to remove and reclaim each road that would not be retained under an approved postmining land use.

534.150. Control or prevent erosion, siltation and the air pollution attendant to erosion by vegetating or otherwise stabilizing all exposed surfaces in accordance with current, prudent engineering practices.

534.200. To ensure environmental protection and safety appropriate for their planned duration and use, including consideration of the type and size of equipment used, the design and reconstruction of roads will incorporate appropriate limits for grade, width, surface materials, and any necessary design criteria established by the Division.

534.300. Primary Roads. Primary roads will meet the requirements of R645-301-358, R645-301-527.100, R645-301-527.230, R645-301-534.100, R645-301-534.200, R645-301-542.600, R645-301-542.600, and R645-301-762, any necessary design criteria established by the Division, and the following requirements. Primary roads will:

534.310. Be located, insofar as practical, on the most stable available surfaces;

534.320. Be surfaced with rock, crushed gravel, asphalt, or other material approved by the Division as being sufficiently durable for the anticipated volume of traffic and the weight and speed of vehicles using the road;

534.330. Be routinely maintained to include repairs to the road surface, blading, filling potholes and adding replacement gravel or asphalt. It will also include revegetation, brush removal, and minor reconstruction of road segments as necessary; and

534.340. Have culverts that are designed, installed, and maintained to sustain the vertical soil pressure, the passive resistance of the foundation, and the weight of vehicles using the road.

535. Spoil. The permit application will describe designs for spoil placement and disposal.

535.100. Disposal of Excess Spoil. Excess spoil will be placed in designated disposal areas within the permit area in a controlled manner. The fill and appurtenant structures will be designed using current, prudent engineering practices and will meet any design criteria established by the Division.

535.110. The fill will be designed to attain a minimum long-term static safety factor of 1.5. The foundation and abutments of the fill must be stable under all conditions of construction. The fill will:

535.111. Be located on the most moderately sloping and naturally stable areas available, as approved by the Division, and be placed, where possible, upon or above a natural terrace, bench, or berm, if such placement provides additional stability and prevents mass movement;

535.112. Be the subject of sufficient foundation investigations. Any necessary laboratory testing of foundation material, will be performed in order to determine the design requirements for foundation stability. The analyses of foundation conditions will take into consideration the effect of underground mine workings, if any, upon the stability of the fill and appurtenant structures; and

535.113. Incorporate keyway cuts (excavations to stable bedrock) or rock toe buttresses to ensure stability where the slope in the disposal area is in excess of 2.8h:1v (36 percent), or such lesser slope as may be designated by the Division based on local conditions. Where the toe of the spoil rests on a downslope, stability analyses will be performed in accordance with R645-301-535.150 to determine the size of rock toe buttresses and keyway cuts.

535.120. Excess spoil may be disposed of in underground mine workings, but only in accordance with a plan approved by the Division and MSHA under R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, and R645-301-243.

535.130. Placement of Excess Spoil. Excess spoil will be transported and placed in a controlled manner in horizontal lifts not exceeding four feet in thickness; concurrently compacted as necessary to ensure mass stability and to prevent mass movement during and after construction; graded so that surface and subsurface drainage is compatible with the natural surroundings: and covered with topsoil or substitute material in accordance with R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, and R645-301-243. The Division may approve a design which incorporates placement of excess spoil in horizontal lifts other than four feet in thickness when it is demonstrated by the operator and certified by a qualified registered professional engineer that the design will ensure the stability of the fill and will meet all other applicable requirements.

535.140. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES the design of the spoil disposal structure will include the results of geotechnical investigations as follows:

535.141. The character of bedrock and any adverse geologic conditions in the disposal area;

535.142. A survey identifying all springs, seepage, and ground water flow observed or anticipated during wet periods in the area of the disposal site;

535.143. A survey of the potential effects of subsidence of the subsurface strata due to past and future mining operations;

535.144. A technical description of the rock materials to be utilized in the construction of those disposal structures containing rock chimney cores or underlain by a rock drainage blanket; and

535.145. A stability analysis including, but not limited to, strength parameters, pore pressures and long-term seepage conditions. These data will be accompanied by a description of all engineering design assumptions and calculations and the alternatives considered in selecting the specific design specifications and methods.

535.150. If for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, under R645-301-535.112 and R645-301-535.113, rock-toe buttresses or key-way cuts are required, the application will include the following:

535.151. The number, location, and depth of borings or test pits which will be determined with respect to the size of

the spoil disposal structure and subsurface conditions; and

535.152. Engineering specifications utilized to design the rock-toe buttress or key-way cuts which will be determined in accordance with R645-301-535.145.

535.200. Disposal of Excess Spoil: Valley Fills/Head-of-Hollow Fills. Valley fills and head-of-hollow fills will meet the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, and R645-301-745.100, and these additional requirements.

535.210. Rock-core chimney drains may be used in a head-of-hollow fill, instead of the underdrain and surface diversion system normally required, as long as the fill is not located in an area containing intermittent or perennial streams. A rock-core chimney drain may be used in a valley fill if the fill does not exceed 250,000 cubic yards of material and upstream drainage is diverted around the fill.

535.220. The alternative rock-core chimney drain system will be incorporated into the design and construction of the fill as follows:

535.221. The fill will have along the vertical projection of the main buried channel or rill a vertical core of durable rock at least 16 feet thick which will extend from the toe of the fill to the head of the fill, and from the base of the fill to the surface of the fill. A system of lateral rock underdrains will connect this rock core to each area of potential drainage or seepage in the disposal area. The underdrain system and rock core will be designed to carry the anticipated seepage of water due to rainfall away from the excess spoil fill and from seeps and springs in the foundation of the disposal area. Rocks used in the rock core and underdrains will meet the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400;

535.222. A filter system to ensure the proper long-term functioning of the rock core will be designed and constructed using current, prudent engineering practices; and

535.223. Grading may drain surface water away from the outslope of the fill and toward the rock core. In no case, however, may intermittent or perennial streams be diverted into the rock core. The maximum slope of the top of the fill will be 33h:1v (three percent). A drainage pocket may be maintained at the head of the fill during and after construction, to intercept surface runoff and discharge the runoff through or over the rock drain, if stability of the fill is not impaired. In no case will this pocket or sump have a potential capacity for impounding more than 10,000 cubic feet of water. Terraces on the fill will be graded with a three to five percent grade toward the fill and a one percent slope toward the rock core.

535.300. Disposal of Excess Spoil: Durable Rock Fills. The Division may approve the alternative method of disposal of excess durable rock spoil by gravity placement in single or multiple lifts, provided that:

535.310. Except as provided under R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400 are met;

535.320. The excess spoil consists of at least 80 percent, by volume, durable, nonacid- and nontoxic-forming rock (e.g., sandstone or limestone) that does not slake in water and will not degrade to soil material. Where used, noncemented clay shale, clay spoil, soil or other nondurable excess spoil material will be mixed with excess durable rock spoil in a controlled manner such that no more than 20 percent of the fill volume, as determined by tests performed by a registered engineer and approved by the Division, is not durable rock;

535.330. The fill is designed to attain a minimum long-term static safety factor of 1.5, and an earthquake safety factor of 1.1; and

535.340. The underdrain system may be constructed simultaneously with excess spoil placement by the natural segregation of dumped materials, provided the resulting underdrain system is capable of carrying anticipated seepage of water due to rainfall away from the excess spoil fill and from seeps and springs in the foundation of the disposal area and the other requirements for drainage control are met.

535.400. Disposal of Excess Spoil: Preexisting Benches. Disposal of excess spoil on preexisting benches may be approved by the Division provided that R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-535.100, R645-301-535.112 through R645-301-535.130, R645-301-535.400, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, and R645-301-745.400 are met, and the following requirements:

535.410. Excess spoil will be placed only on the solid portion of the preexisting bench;

535.420. The fill will be designed, using current, prudent engineering practices, to attain a long-term static safety factor of 1.3 for all portions of the fill;

535.430. The preexisting bench will be backfilled and graded to: Achieve the most moderate slope possible which does not exceed the angle of repose, and eliminate the highwall to the maximum extent technically practical; and

535.440. Disposal of excess spoil from an upper actively mined bench to a lower preexisting bench by means of gravity transport may be approved by the Division provided that:

535.441. The gravity transport courses are determined on a site-specific basis by the operator as part of the permit application and approved by the Division to minimize hazards to health and safety and to ensure that damage will be minimized between the benches, outside the set course, and downslope of the lower bench should excess spoil accidentally move;

535.442. All gravity transported excess spoil, including that excess spoil immediately below the gravity transport courses and any preexisting spoil that is disturbed, is rehandled and placed in horizontal lifts in a controlled

manner, concurrently compacted as necessary to ensure mass stability and to prevent mass movement, and graded to allow surface and subsurface drainage to be compatible with the natural surroundings and to ensure a minimum long-term static safety factor of 1.3. Excess spoil on the bench prior to the current mining operation that is not disturbed need not be rehandled except where necessary to ensure stability of the fill;

535.443. A safety berm is constructed on the solid portion of the lower bench prior to gravity transport of the excess spoil. Where there is insufficient material on the lower bench to construct a safety berm, only that amount of excess spoil necessary for the construction of the berm may be gravity transported to the lower bench prior to construction of the berm; and

535.444. Excess spoil will not be allowed on the downslope below the upper bench except on designated gravity transport courses properly prepared according to R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, and R645-301-243. Upon completion of the fill, no excess spoil will be allowed to remain on the designated gravity transport course between the two benches and each transport course will be reclaimed in accordance with the requirements of R645-301 and R645-302.

535.500. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, spoil resulting from faceup operations for underground coal mine development may be placed at drift entries as part of a cut and fill structure, if the structure is less than 400 feet in horizontal length, and designed in accordance with R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

536. Coal Mine Waste. The permit application will include designs for placement of coal mine waste in new or existing disposal areas within approved portions of the permit area. Coal mine waste will be placed in a controlled manner and have a design certification as described under R645-301-512.

536.100. The disposal facility will be designed using current prudent engineering practices and will meet design criteria established by the Division.

536.110. The disposal facility will be designed to attain a minimum long-term static safety factor of 1.5. The foundation and abutments must be stable under all conditions of construction.

536.120. Sufficient foundation investigations, as well as any necessary laboratory testing of foundation material, will be performed in order to determine the design requirements for foundation stability. The analyses of the foundation conditions will take into consideration the effect of underground mine workings, if any, upon the stability of the disposal facility.

536.200. Coal mine waste will be placed in a controlled manner to:

536.210. Ensure mass stability and prevent mass movement during and after construction;

536.220. Not create a public hazard; and

536.230. Prevent combustion.

536.300. Coal mine waste may be disposed of in excess spoil fills if approved by the Division and, if such waste is:

536.310. Placed in accordance with applicable portions of R645-301-210, R645-301-513.400, R645-301-514.200, R645-301-528.322, R645-301-536.900, R645-301-553.250, and R645-301-746.200;

536.320. Nontoxic and nonacid forming; and

536.330. Of the proper characteristics to be consistent with the design stability of the fill.

536.400. New and existing impounding structures constructed of coal mine waste or intended to impound coal mine waste will meet the requirements of R645-301-512.230, R645-301-515.200, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-542.730, and R645-301-746.100.

536.410. Coal mine waste will not be used for construction of impounding structures unless it has been demonstrated to the Division that the stability of such a structure conforms to the requirements of R645-301 and R645-302.

536.420. The stability of the structure will be discussed in detail in the design plan submitted to the Division in accordance with R645-301-512.100, R645-301-512.230, R645-301-521.169, R645-301-531, R645-301-533.600, R645-301-533.700, R645-301-536.800, R645-301-542.500, R645-301-732.210, and R645-301-733.100.

536.500. Disposal of Coal Mine Waste in Special Areas.

536.510. Coal mine waste materials from activities located outside a permit area may be disposed of in the permit area only if approved by the Division. Approval will be based upon a showing that such disposal will be in accordance with R645-301-512.230, R645-301-515.200, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-542.730, and R645-301-746.100.

536.520. Underground Disposal. Coal mine waste may be disposed of in underground mine workings, but only in accordance with a plan approved by the Division and MSHA under R645-301-513.300, R645-301-528.321, R645-301-536.700, and R645-301-746.400.

536.600. Underground Development Waste. Each plan will describe the geotechnical investigation, design, construction, operation, maintenance and removal, if appropriate, of the structures and be prepared according to R645-301-211, R645-301-212,R645-301-412.300, R645-301-512.210, R645-301-512.220,R645-301-514.100, R645-301-528.310, R645-301-535.100,through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

536.700. Coal Processing Waste. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, each plan for returning coal processing waste to abandoned underground workings will describe the source and quality of waste to be stowed, area to be backfilled, percent of the mine void to be filled, method of constructing

underground retaining walls, influence of the backfilling operation on active underground mine operations, surface area to be supported by the backfill, and the anticipated occurrence of surface effects following backfilling.

536.800. Coal processing waste banks, dams, and embankments will be designed to comply with:

536.810 R645-301-210, R645-301-512.230, R645-301-513.400, R645-301-514.200, R645-301-515.200, R645-301-528.322, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.400, R645-301-536.500, R645-301-536.900, R645-301-542.730, R645-301-553.250, and R645-301-746.100 through R645-301-746.300.

536.820. Coal processing waste dams and embankments will comply with the requirements of MSHA, 30 CFR 77.216-1 and 30 CFR 77.216-2, and will contain the results of a geotechnical investigation of the proposed dam or embankment foundation area, to determine the structural competence of the foundation which will support the proposed dam or embankment structure and the impounded material. The geotechnical investigation will be planned and supervised by an engineer or engineering geologist, according to the following:

536.821. The number, location, and depth of borings and test pits will be determined using current prudent engineering practice for the size of the dam or embankment, quantity of material to be impounded, and subsurface conditions;

536.822. The character of the overburden and bedrock, the proposed abutment sites, and any adverse geotechnical conditions, which may affect the particular dam, embankment, or reservoir site will be considered;

536.823. All springs, seepage, and ground water flow observed or anticipated during wet periods in the area of the proposed dam or embankment will be identified on each plan; and

536.824. Consideration will be given to the possibility of mudflows, rock-debris falls, or other landslides into the dam, embankment, or impounded material.

536.900. Refuse Piles. Refuse piles will meet the requirements of R645-301-210, R645-301-512.230, R645-301-513.400, R645-301-514.200, R645-301-515.200, R645-301-528.322, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-536.900, R645-301-542.730, R645-301-553.250, R645-301-746.100 through R645-301-746.200, and the requirements of MSHA, 30 CFR 77.214 and 30 CFR 77.215.

537. Regraded Slopes.

537.100. Each application will contain a report of appropriate geotechnical analysis, where approval of the Division is required for alternative specifications or for steep cut slopes under R645-301-358, R645-301-512.250, R645-301-527.100, R645-301-527.230, R645-301-534.100, R645-301-534.200, R645-301-534.300, R645-301-542.600, R645-301-742.410, R645-301-742.420, R645-301-752.200, and R645-301-762.

537.200. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, regrading of settled and revegetated fills to achieve approximate original contour at the conclusion of mining operations will not be required if the following conditions are met.

537.210. Settled and revegetated fills will be composed of spoil or nonacid- or nontoxic-forming underground development waste.

537.220. The spoil or underground development waste will not be located so as to be detrimental to the environment, to the health and safety of the public, or to the approved postmining land use.

537.230. Stability of the spoil or underground development waste will be demonstrated through standard geotechnical analysis to be consistent with backfilling and grading requirements for material on the solid bench (1.3 static safety factor) or excess spoil requirements for material not placed on a solid bench (1.5 static safety factor).

537.240. The surface of the spoil or underground development waste will be vegetated according to R645-301-356 and R645-301-357, and surface runoff will be controlled in accordance with R645-301-742.300.

537.250. If it is determined by the Division that disturbance of the existing spoil or underground development waste would increase environmental harm or adversely affect the health and safety of the public, the Division may allow the existing spoil or underground development waste pile to remain in place. The Division may require stabilization of such spoil or underground development waste in accordance with the requirements of R645-301-537.210 through R645-301-537.240.

540. Reclamation Plan.

541. General.

541.100. Persons who cease coal mining and reclamation operations permanently will close or backfill or otherwise permanently reclaim all affected areas, in accordance with the R645 Rules and the permit approved by the Division.

541.200. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, all underground openings, equipment, structures, or other facilities not required for monitoring, unless approved by the Division as suitable for the postmining land use or environmental monitoring, will be removed and the affected land reclaimed.

541.300. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, all surface equipment, structures, or other facilities not required for continued underground mining activities and monitoring, unless approved by the Division as suitable for the postmining land use or environmental monitoring will be removed and the affected lands reclaimed.

541.400. Each application will include a plan for the reclamation of the lands within the proposed permit area which shows how the applicant will comply with R645-301, and the environmental protection performance standards of the State Program.

542. Narratives, Maps and Plans. The reclamation plan for the proposed permit area will include:

542.100. A detailed timetable for the completion of each major step in the reclamation plan;

542.200. A plan for backfilling, soil stabilization, compacting and grading, with contour maps or cross sections

that show the anticipated final surface configuration of the proposed permit area, in accordance with R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.900, and R645-302-234;

542.300. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, final surface configuration maps with cross sections (at intervals specified by the Division) that indicate:

542.310. The anticipated final surface configuration to be achieved for the affected areas. The maps and cross sections will be prepared and certified as described under R645-301-512; and

542.320. Location of each facility that will remain on the proposed permit area as a permanent feature, after the completion of coal mining and reclamation operations;

542.400. Before abandoning a permit area or seeking bond release, a description ensuring all temporary structures are removed and reclaimed, and all permanent sedimentation ponds, impoundments and treatment facilities that meet the requirements of the R645 Rules for permanent structures, have been maintained properly and meet the requirements of the approved reclamation plan for permanent structures and impoundments. The operator will renovate such structures if necessary to meet the requirements of the R645 Rules and to conform to the approved reclamation plan;

542.500. A timetable, and plans to remove each proposed sedimentation pond, water impoundment, and coal processing waste bank, dam, or embankment, if appropriate;

542.600. Roads. A road not to be retained for use under an approved postmining land use will be reclaimed immediately after it is no longer needed for mining and reclamation operations, including:

542.610. Closing the road to traffic;

542.620. Removing all bridges and culverts; unless approved as part of the postmining land use.

542.630. Scarifying or ripping of the roadbed and replacing topsoil and revegetating disturbed surfaces in accordance with R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, R645-301-243, R645-301-244.200 and R645-301-353 through R645-301-357.

542.640. Removing or otherwise disposing of road-surfacing materials that are incompatible with the postmining land use and revegetation requirements.

542.700. Final Abandonment of Mine Openings and Disposal Areas.

542.710. A description, including appropriate cross sections and maps, of the measures to be used to seal or manage mine openings, and to plug, case or manage other openings within the proposed permit area, in accordance with R645-301-529, R645-301-551, R645-301-631, R645-301-738, and R645-301-765.

542.720. Disposal of Excess Spoil. Excess spoil will be placed in designated disposal areas within the permit area, in a controlled manner to ensure that the final fill is suitable for reclamation and revegetation compatible with the natural surroundings and the approved postmining land use. Excess spoil that is combustible will be adequately covered with noncombustible material to prevent sustained combustion. The reclamation of excess spoil will comply with the design criteria under R645-301-553.240.

542.730. Disposal of Coal Mine Waste. Coal mine waste will be placed in a controlled manner to ensure that the final disposal facility will be suitable for reclamation and revegetation compatible with the natural surroundings and the approved postmining land use.

542.740. Disposal of Noncoal Mine Wastes.

542.741. Noncoal mine wastes including, but not limited to grease, lubricants, paints, flammable liquids, garbage, abandoned mining machinery, lumber and other combustible materials generated during mining activities will be placed and stored in a controlled manner in a designated portion of the permit area. Placement and storage will ensure that fires are prevented, and that the area remains stable and suitable for reclamation and revegetation compatible with the natural surroundings.

542.742. Final disposal of noncoal mine wastes will be in a designated disposal site in the permit area or a state-approved solid waste disposal area. Wastes will be routinely compacted and covered to prevent combustion and wind-borne waste. When the disposal is completed, a minimum of two feet of suitable cover will be placed over the site, slopes stabilized, and revegetation accomplished in accordance with R645-301-244.200 and R645-301-353 through R645-301-357, inclusive. Operation of the disposal site will be conducted in accordance with all local, Utah, and federal requirements.

542.800. The reclamation plan for the proposed coal mining and reclamation operations will also include a detailed estimate of reclamation costs as described in R645-301-830.100 - R645-301-830.300.

550. Reclamation Design Criteria and Plans. Each permit application will include site specific plans that incorporate the following design criteria for reclamation activities.

551. Casing and Sealing of Underground Openings. When no longer needed for monitoring or other use approved by the Division upon a finding of no adverse environmental or health and safety effects, each shaft, drift, adit, tunnel, or other opening to the surface from underground will be capped, sealed and backfilled, or otherwise properly managed, as required by the Division and consistent with MSHA, 30 CFR 75.1771. Permanent closure measures will be designed to prevent access to the mine workings by people, livestock, fish and wildlife, machinery and to keep acid or other toxic drainage from entering ground or surface waters.

552. Permanent Features.

552.100. Small depressions may be constructed if they are needed to retain moisture, minimize erosion, create and enhance wildlife habitat, or assist revegetation.

552.200. Permanent impoundments may be approved if they meet the requirements of R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-542.400, R645-301-733.220 through R645-301-733.224, R645-301-743, and if they are suitable for the approved postmining land use.

553. Backfilling and Grading. Backfilling and grading

design criteria will be described in the permit application. Nothing in R645-301-553 will prohibit the placement of material in road and portal pad embankments located on the downslope, so long as the material used and the embankment design comply with the applicable requirements of R645-301-500 and R645-301-700 and the material is moved and placed in a controlled manner. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES rough backfilling and grading will follow coal removal by not more than 60 days or 1500 linear feet. The Division may grant additional time for rough backfilling and grading if the permittee can demonstrate, through a detailed written analysis under R645-301-542.200, that additional time is necessary.

553.100. Disturbed Areas. Disturbed areas will be backfilled and graded to:

553.110. Achieve the approximate original contour (AOC), except as provided in R645-301-553.500 through R645-301-553.540 (previously mined areas (PMA's), continuously mined areas (CMA's) and areas subject to the AOC provisions), R645-301-553.600 through R645-301-553.612 (PMA's and CMA's), R645-302-270 (non-mountaintop removal on steep slopes), R645-302-220 (mountaintop removal mining), R645-301-553.700 (thin overburden) and R645-301-553.800 (thick overburden);

553.120. Eliminate all highwalls, spoil piles, and depressions, except as provided in R645-301-552.100 (small depressions); R645-301-553.500 through R645-301-553.540 (PMA's, CMA's and areas subject to approximate original contour (AOC) provisions; R645-301-553.600 through R645-301-553.612 (PMA's and CMA's); and in R645-301-553.650 (highwall management under the (AOC) provisions);

553.130. Achieve a postmining slope that does not exceed either the angle of repose or such lesser slope as is necessary to achieve a minimum long-term static safety factor of 1.3 and prevents slides, except as provided in R645-301-553.530;

553.140. Minimize erosion and water pollution both on and off the site; and

553.150. Support the approved post mining land use.

553.200. Spoil and Waste. Spoil and waste materials will be compacted where advisable to ensure stability or to prevent leaching of toxic materials.

553.210. Spoil, except as provided in R645-301-537.200 (Settled and Revegetated Fills), for the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, and except where excess spoil is disposed of in accordance with R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400 will be returned to the mined out surface areas (UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES) or mined area (SURFACE COAL MINING AND RECLAMATION ACTIVITIES).

553.220. Spoil may be placed on the area outside the mined-out surface area (UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES) or in the mined-out area (SURFACE COAL MINING AND RECLAMATION ACTIVITIES) in non-steep slope areas to restore the approximate original contour by blending the spoil into the surrounding terrain if the following requirements are met:

553.221. All vegetative and organic material will be removed from the area;

553.222. The topsoil on the area will be removed, segregated, stored, and redistributed in accordance with R645-301-232.100 through R645-301-232.600, R645-301-234, R645-301-242, and R645-301-243; and

553.223. The spoil will be backfilled and graded on the area in accordance with R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.420, R645-301-553.600, and R645-301-553.900.

553.230. Preparation of final graded surfaces will be conducted in a manner that minimizes erosion and provides a surface for replacement of topsoil that will minimize slippage.

553.240. The final configuration of the fill (excess spoil) will be suitable for the approved postmining land use. Terraces may be constructed on the outslope of the fill if required for stability, control of erosion, to conserve soil moisture, or to facilitate the approved postmining land use. The grade of the outslope between terrace benches will not be steeper than 2h:1v (50 percent).

553.250. Refuse Piles.

553.251. The final configuration for the refuse pile will be suitable for the approved postmining land use. Terraces may be constructed on the outslope of the refuse pile if required for stability, control of erosion, conservation of soil moisture, or facilitation of the approved postmining land use. The grade of the outslope between terrace benches will not be steeper than 2h:1v (50 percent).

553.252. Following final grading of the refuse pile, the coal mine waste will be covered with a minimum of four feet of the best available, nontoxic and noncombustible material, in a manner that does not impede drainage from the underdrains. The Division may allow less than four feet of cover material based on physical and chemical analyses which show that the requirements of R645-301-244.200 and R645-301-353 through R645-301-357 are met.

553.260. Disposal of coal processing waste and underground development waste in the mined-out surface area (UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES) or mined-out area (SURFACE COAL MINING AND RECLAMATION ACTIVITIES) will be in accordance with R645-301-210, R645-301-512.230, R645-301-513.400, R645-301-514.200, R645-301-515.200, R645-301-528.322, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-536.900, R645-301-542.730, R645-301-553.250, and R645-301-746.100 through R645-301-746.200, except that a long-term static safety factor of 1.3 will be achieved.

553.300. Exposed coal seams, acid- and toxic-forming materials, and combustible materials exposed, used, or produced during mining will be adequately covered with nontoxic and noncombustible materials, or treated, to control the impact on surface and ground water in accordance with

R645-301-731.100 through R645-301-731.522 and R645-301-731.800, to prevent sustained combustion, and to minimize adverse effects on plant growth and on the approved postmining land use.

553.400. Cut-and-fill terraces may be allowed by the Division where:

553.410. Needed to conserve soil moisture, ensure stability, and control erosion on final-graded slopes, if the terraces are compatible with the approved postmining land use; or

553.420. Specialized grading, foundation conditions, or roads are required for the approved postmining land use, in which case the final grading may include a terrace of adequate width to ensure the safety, stability, and erosion control necessary to implement the postmining land-use plan.

553.500. Previously Mined Areas (PMA's), Continuously Mined Areas (CMA's), and Areas with remaining Highwalls Subject to the Approximate Original Contour (AOC) Provisions.

553.510. Remining operations on PMA's, CMA's, or on areas with remaining highwalls subject to the AOC Provisions will comply with the requirements of R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.900, and R645-302-234, except as provided in R645-301-553.500, R645-301-553.600 and R645-301-553.650.

553.520. The backfill of all remaining highwalls will be graded to a slope which is compatible with the approved postmining land use and which provides adequate drainage and long-term stability.

553.530. Any remaining highwall will be stable and not pose a hazard to the public health and safety or to the environment. The operator will demonstrate, to the satisfaction of the Division, that the remaining highwall achieves a minimum long-term static safety factor of 1.3 and prevents slides, or provide an alternative criterion to establish that the remaining highwall is stable and does not pose a hazard to the public health and safety or to the environment; and

553.540. Spoil placed on the outslope during previous mining operations will not be disturbed if such disturbances will cause instability of the remaining spoil or otherwise increase the hazard to the public health and safety or to the environment.

553.600. Previously Mined Areas (PMA's) and Continuously Mined Areas (CMA's). For PMA's and CMA's the special compliance measures include:

553.610. The requirements of R645-301-553.110 and R645-301-553.120, addressing the elimination of highwalls, will not apply to PMA's or CMA's where the volume of all reasonably available spoil is demonstrated in writing to the Division to be insufficient to completely backfill the reaffected or enlarged highwall. The highwall will be eliminated to the maximum extent technically practical in accordance with the following requirements:

553.611. All spoils generated by the remining operation or CMA and any other reasonably available spoil will be used to backfill the area;

553.612. Reasonably available spoil in the immediate vicinity of the remining operation or CMA will be included within the permit area.

553.650. Highwall Management Under the Approximate Original Contour Provisions. For situations where a permittee seeks approval for a remaining highwall under the AOC provisions, the permittee will establish, and the Division will find in writing that the remaining highwall will achieve the stability requirements of R645-301-553.530, that the remaining highwall will meet the approximate original contour criteria of R645-301-553.510 and R645-301-553.520, and that the proposal meets the following criteria:

553.650.100. The remaining highwall will not be greater in height or length than the cliffs and cliff-like escarpments that were replaced or disturbed by the mining operations;

553.650.200. The remaining highwall will replace a preexisting cliff or similar natural premining feature and will resemble the structure, composition, and function of the natural cliff it replaces;

553.650.300. The remaining highwall will be modified, if necessary, as determined by the Division to restore cliff-type habitats used by the flora and fauna existing prior to mining;

553.650.400. The remaining highwall will be compatible with the post mining land use and the visual attributes of the area; and

553.650.500. The remaining highwall will be compatible with the geomorphic processes of the area.

553.700. Backfilling and Grading: Thin Overburden. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, this section applies only where the final thickness is less than 0.8 of the initial thickness. Initial thickness is the sum of the overburden thickness and coal thickness prior to removal of coal. Final thickness is the product of the overburden thickness prior to removal of coal, times the bulking factor to be determined for each permit area. The provisions of this section apply only when SURFACE COAL MINING AND RECLAMATION ACTIVITIES cannot be carried out to comply with the requirements of R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.420, R645-301-553.600, and R645-301-553.900 to achieve the approximate original contour. The operator will, at a minimum:

553.710. Use all available spoil and waste materials to attain the lowest practicable grade, but not more than the angle of repose; and

553.720. Meet the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-535.100, R645-301-535.112 through R645-301-535.130, R645-301-536.300, R645-301-542.720, R645-301-553.240, and R645-301-745.100.

553.800. Backfilling and Grading: Thick Overburden. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, this section applies only where the final thickness is greater than 1.2 of the initial thickness. Initial thickness is the sum of the overburden thickness and coal thickness prior to removal of coal. Final thickness is the product of the overburden thickness prior to

removal of coal, times the bulking factor to be determined for each permit area. The provisions of this section apply only when SURFACE COAL MINING AND RECLAMATION ACTIVITIES cannot be carried out to comply with the requirements of R645-301-537.200, R645-301-552 through R645-301-553.230, R645-301-553.260 through R645-301-553.420, R645-301-553.600, and R645-301-553.900 to achieve the approximate original contour. In addition the operator will, at a minimum:

553.810. Use the spoil and waste materials to attain the lowest practicable grade, but not more than the angle of repose;

553.820. Meet the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-535.100, R645-301-535.112 through R645-301-535.130, R645-301-536.300, R645-301-542.720, R645-301-553.240, and R645-301-745.100; and

553.830. Dispose of any excess spoil in accordance with R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.300 through R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400.

553.900. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, regrading of settled and revegetated fills at the conclusion of coal mining and reclamation operations will not be required if the conditions of R645-301-537.200 are met;

560. Performance Standards. Coal mining and reclamation operations will be conducted in accordance with the approved permit and requirements of R645-301-510 through R645-301-553.

R645-301-600. Geology.

The rules in R645-301-600 present the requirements for information related to geology which is to be included in each permit application.

610. Introduction.

611. General Requirements. Each permit application will include descriptions of:

611.100. The geology within and adjacent to the permit area as given under R645-301-621 through R645-301-627; and

611.200. Proposed operations given under R645-301-630.

612. All cross sections, maps and plans as required by R645-301-622 will be prepared and certified as described under R645-301-512.100

620. Environmental Description.

621. General Requirements. Each permit application will include a description of the geology within the proposed permit and adjacent areas that may be affected or impacted by the proposed coal mining and reclamation operation.

622. Cross Sections, Maps and Plans. The application will include cross sections, maps and plans showing:

622.100. Elevations and locations of test borings and core samplings;

622.200. Nature, depth, and thickness of the coal seams to be mined, any coal or rider seams above the seam to be mined, each stratum of the overburden, and the stratum immediately below the lowest coal seam to be mined;

622.300. All coal crop lines and the strike and dip of the coal to be mined within the proposed permit area; and

622.400. Location, and depth if available, of gas and oil wells within the proposed permit area.

623. Each application will include geologic information in sufficient detail to assist in:

623.100. Determining all potentially acid- or toxic-forming strata down to and including the stratum immediately below the coal seam to be mined;

623.200. Determining whether reclamation as required by R645-301 and R645-302 can be accomplished; and

623.300. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES preparing the subsidence control plan described under R645-301-525 and R645-521-142.

624. Geologic information will include, at a minimum, the following:

624.100. A description of the geology of the proposed permit and adjacent areas down to and including the deeper of either the stratum immediately below the lowest coal seam to be mined or any aquifer below the lowest coal seam to be mined which may be adversely impacted by mining. This description will include the regional and structural geology of the permit and adjacent areas, and other parameters which influence the required reclamation and it will also show how the regional and structural geology may affect the occurrence, availability, movement, quantity and quality of potentially impacted surface and ground water. It will be based on:

624.110. The cross sections, maps, and plans required by R645-301-622.100 through R645-301-622.400.

624.120. The information obtained under R645-301-624.200, R645-301-624.300 and R645-301-625; and

624.130. Geologic literature and practices.

624.200. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, any portion of a permit area in which the strata down to the coal seam to be mined will be removed or are already exposed, and for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, samples will be collected and analyzed from test borings; drill cores; or fresh, unweathered, uncontaminated samples from rock outcrops down to and including the deeper of either the stratum immediately below the lowest coal seam to be mined or any aquifer below the lowest coal seam to be mined which may be adversely impacted by mining. The analyses will result in the following:

624.210. Logs showing the lithologic characteristics including physical properties and thickness of each stratum and location of ground water where occurring;

624.220. Chemical analyses identifying those strata that may contain acid- or toxic-forming, or alkalinity-producing materials and to determine their content except that the Division may find that the analysis for alkalinity-producing material is unnecessary; and

624.230. Chemical analysis of the coal seam for acid- or toxic-forming materials, including the total sulfur and pyritic

sulfur, except that the Division may find that the analysis of pyritic sulfur content is unnecessary.

624.300. For lands within the permit and adjacent areas of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES where the strata above the coal seam to be mined will not be removed, samples will be collected and analyzed from test borings or drill cores to provide the following data:

624.310. Logs of drill holes showing the lithologic characteristics, including physical properties and thickness of each stratum that may be impacted, and location of ground water where occurring;

624.320. Chemical analyses for acid- or toxic-forming or alkalinity-producing materials and their content in the strata immediately above and below the coal seam to be mined;

624.330. Chemical analyses of the coal seam for acid- or toxic-forming materials, including the total sulfur and pyritic sulfur, except that the Division may find that the analysis of pyrite sulfur content is unnecessary; and

624.340. For standard room and pillar mining operations, the thickness and engineering properties of clays of soft rock such as clay shale, if any, in the stratum immediately above and below each coal seam to be mined.

625. If determined to be necessary to protect the hydrologic balance, to minimize or prevent subsidence, or to meet the performance standards of R645-301 and R645-302, the Division may require the collection, analysis and description of geologic information in addition to that required by R645-301-624.

626. An applicant may request the Division to waive in whole or in part the requirements of R645-301-624.200 and R645-301-624.300. The waiver may be granted only if the Division finds in writing that the collection and analysis of such data is unnecessary because other information having equal value or effect is available to the Division in a satisfactory form.

627. An application for a permit to conduct UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will include, at a minimum, a description of overburden thickness and lithology.

630. Operation Plan.

631. Casing and Sealing of Exploration Holes and Boreholes. Each permit application will include a description of the methods used to backfill, plug, case, cap, seal or otherwise manage exploration holes or boreholes to prevent acid or toxic drainage from entering water resources, minimize disturbance to the prevailing hydrologic balance and to ensure the safety of people, livestock, fish and wildlife, and machinery in the permit and adjacent area. Each exploration hole or borehole that is uncovered or exposed by coal mining and reclamation operations within the permit area will be permanently closed, unless approved for water monitoring or otherwise managed in a manner approved by the Division. Use of an exploration borehole as a monitoring or water well must meet the provisions of R645-301-731. The requirements of R645-301-631 do not apply to boreholes drilled for the purpose of blasting.

631.100. Temporary Casing and Sealing of Drilled Holes. Each exploration borehole, other drill hole or borehole which has been identified in the approved permit application for use to return underground development waste, coal processing waste or water to underground workings or to be used to monitor ground water conditions will be temporarily sealed before use and for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, protected during use by barricades, or fences, or other protective devices approved by the Division. These protective devices will be periodically inspected and maintained in good operating condition by the operator conducting surface coal mining and reclamation activities.

631.200. Permanent Casing and Sealing of Exploration Holes and Boreholes. When no longer needed for monitoring or other use approved by the Division upon a finding of no adverse environmental or health and safety effect, or unless approved for transfer as a water well under R645-301-731.400, each exploration hole or borehole will be plugged, capped, sealed, backfilled or otherwise properly managed under R645-301-631 and consistent with 30 CFR 75.1711. Permanent closure methods will be designed to prevent access to the mine workings by people, livestock, fish and wildlife, and machinery and to keep acid or other toxic drainage from entering water resources.

632. Subsidence Monitoring. Each application for a permit to conduct UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will, except where planned subsidence is projected to be used, include as part of the subsidence monitoring plan described under R645-301-525:

632.100. A determination of the commencement and degree of subsidence so other appropriate measures can be taken to prevent or reduce material damage; and

632.200. A map showing the locations of subsidence monitoring points within and adjacent to the permit area.

640. Performance Standards.

641. All exploration holes and boreholes will be permanently cased and sealed according to the requirements of R645-301-631 and R645-301-631.200.

642. All monuments and surface markers used as subsidence monitoring points and identified under R645-301-632.200 will be reclaimed in accordance with R645-301-521.210.

R645-301-700. Hydrology.

710. Introduction.

711. General Requirements. Each permit application will include descriptions of:

711.100. Existing hydrologic resources as given under R645-301-720.

711.200. Proposed operations and potential impacts to the hydrologic balance as given under R645-301-730.

711.300. The methods and calculations utilized to achieve compliance with hydrologic design criteria and plans given under R645-301-740.

711.400. Applicable hydrologic performance standards as given under R645-301-750.

711.500. Reclamation activities as given under R645-301-760.

712. Certification. All cross sections, maps and plans

required by R645-301-722 as appropriate, and R645-301-731.700 will be prepared and certified according to R645-301-512.

713. Inspection. Impoundments will be inspected as described under R645-301-514.300.

720. Environmental Description.

721. General Requirements. Each permit application will include a description of the existing, premining hydrologic resources within the proposed permit and adjacent areas that may be affected or impacted by the proposed coal mining and reclamation operation.

722. Cross Sections and Maps. The application will include cross sections and maps showing:

722.100. Location and extent of subsurface water, if encountered, within the proposed permit or adjacent areas. For UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, location and extent will include, but not limited to areal and vertical distribution of aquifers, and portrayal of seasonal differences of head in different aquifers on cross-sections and contour maps;

722.200. Location of surface water bodies such as streams, lakes, ponds and springs, constructed or natural drains, and irrigation ditches within the proposed permit and adjacent areas;

722.300. Elevations and locations of monitoring stations used to gather baseline data on water quality and quantity in preparation of the application;

722.400. Location and depth, if available, of water wells in the permit area and adjacent area; and

722.500. Sufficient slope measurements or contour maps to adequately represent the existing land surface configuration of proposed disturbed areas for UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES and the proposed permit area for SURFACE COAL MINING AND RECLAMATION ACTIVITIES will be measured and recorded to take into account natural variations in slope, to provide accurate representation of the range of natural slopes and reflect geomorphic differences of the area to be disturbed.

723. Sampling and Analysis. All water quality analyses performed to meet the requirements of R645-301-723 through R645-301-724.300, R645-301-724.500, R645-301-725 through R645-301-731, and R645-301-731.210 through R645-301-731.223 will be conducted according to the methodology in the current edition of "Standard Methods for the Examination of Water and Wastewater" or the methodology in 40 CFR Parts 136 and 434. Water quality sampling performed to meet the requirements of R645-301-723 through R645-301-724.300, R645-301-724.500, R645-301-725 through R645-301-731, and R645-301-731.210 through R645-301-731.223 will be conducted according to either methodology listed above when feasible. "Standard Methods for the Examination of Water and Wastewater" is a joint publication of the American Public Health Association, the American Water Works Association, and the Water Pollution Control Federation and is available from the American Public Health Association, 1015 Fifteenth Street, NW, Washington, D. C. 20036.

724. Baseline Information. The application will include the following baseline hydrologic, geologic and climatologic information, and any additional information required by the Division.

724.100. Ground Water Information. The location and ownership for the permit and adjacent areas of existing wells, springs and other ground-water resources, seasonal quality and quantity of ground water, and usage. Water quality descriptions will include, at a minimum, total dissolved solids or specific conductance corrected to 25 degrees C, pH, total iron and total manganese. Ground-water quantity descriptions will include, at a minimum, approximate rates of discharge or usage and depth to the water in the coal seam, and each water-bearing stratum above and potentially impacted stratum below the coal seam.

724.200. Surface water information. The name, location, ownership and description of all surface-water bodies such as streams, lakes and impoundments, the location of any discharge into any surface-water body in the proposed permit and adjacent areas, and information on surface-water quality and quantity sufficient to demonstrate seasonal variation and water usage. Water quality descriptions will include, at a minimum, baseline information on total suspended solids, total dissolved solids or specific conductance corrected to 25 degrees C, pH, total iron and total manganese. Baseline acidity and alkalinity information will be provided if there is a potential for acid drainage from the proposed mining operation. Water quantity descriptions will include, at a minimum, baseline information on seasonal flow rates.

724.300. Geologic Information. Each application will include geologic information in sufficient detail, as given under R645-301-624, to assist in:

724.310. Determining the probable hydrologic consequences of the operation upon the quality and quantity of surface and ground water in the permit and adjacent areas, including the extent to which surface- and ground-water monitoring is necessary; and

724.320. Determining whether reclamation as required by the R645 Rules can be accomplished and whether the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.

724.400. Climatological Information.

724.410. When requested by the Division, the permit application will contain a statement of the climatological factors that are representative of the proposed permit area, including:

724.411. The average seasonal precipitation;

724.412. The average direction and velocity of prevailing winds; and

724.413. Seasonal temperature ranges.

724.420. The Division may request such additional data as deemed necessary to ensure compliance with the requirements of R645-301 and R645-302.

724.500. Supplemental information. If the determination of the PHC required by R645-301-728 indicates that adverse impacts on or off the proposed permit area may occur to the hydrologic balance, or that acid-forming or toxic-forming material is present that may result in the contamination of ground-water or surface-water supplies,

then information supplemental to that required under R645-301-724.100 and R645-301-724.200 will be provided to evaluate such probable hydrologic consequences and to plan remedial and reclamation activities. Such supplemental information may be based upon drilling, aquifer tests, hydrogeologic analysis of the water-bearing strata, flood flows, or analysis of other water quality or quantity characteristics.

724.700. Each permit application that proposes to conduct coal mining and reclamation operations within a valley holding a stream or in a location where the permit area or adjacent area includes any stream will meet the requirements of R645-302-320.

725. Baseline Cumulative Impact Area Information.

725.100. Hydrologic and geologic information for the cumulative impact area necessary to assess the probable cumulative hydrologic impacts of the proposed coal mining and reclamation operation and all anticipated coal mining and reclamation operations on surface- and ground-water systems as required by R645-301-729 will be provided to the Division if available from appropriate federal or state agencies.

725.200. If this information is not available from such agencies, then the applicant may gather and submit this information to the Division as part of the permit application.

725.300. The permit will not be approved until the necessary hydrologic and geologic information is available to the Division.

726. Modeling. The use of modeling techniques, interpolation or statistical techniques may be included as part of the permit application, but actual surface- and ground-water information may be required by the Division for each site even when such techniques are used.

727. Alternative Water Source Information. If the probable hydrologic consequences determination required by R645-301-728 indicates that the proposed SURFACE COAL MINING AND RECLAMATION ACTIVITY may proximately result in contamination, diminution, or interruption of an underground or surface source of water within the proposed permit or adjacent areas which is used for domestic, agricultural, industrial or other legitimate purpose, then the application will contain information on water availability and alternative water sources, including the suitability of alternative water sources for existing premining uses and approved postmining land uses.

728. Probable Hydrologic Consequences (PHC) Determination.

728.100. The permit application will contain a determination of the PHC of the proposed coal mining and reclamation operation upon the quality and quantity of surface and ground water under seasonal flow conditions for the proposed permit and adjacent areas.

728.200. The PHC determination will be based on baseline hydrologic, geologic and other information collected for the permit application and may include data statistically representative of the site.

728.300. The PHC determination will include findings on:

728.310. Whether adverse impacts may occur to the hydrologic balance;

728.320. Whether acid-forming or toxic-forming materials are present that could result in the contamination of surface- or ground-water supplies;

728.330. What impact the proposed coal mining and reclamation operation will have on:

728.331. Sediment yield from the disturbed area;

728.332. Acidity, total suspended and dissolved solids and other important water quality parameters of local impact;

728.333. Flooding or streamflow alteration;

728.334. Ground-water and surface-water availability; and

728.335. Other characteristics as required by the Division; and

728.340. Whether the proposed SURFACE COAL MINING AND RECLAMATION ACTIVITY will proximately result in contamination, diminution or interruption of an underground or surface source of water within the proposed permit or adjacent areas which is used for domestic, agricultural, industrial or other legitimate purpose; Or

728.350. Whether the UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES conducted after October 24, 1992 may result in contamination, diminution or interruption of State-appropriated water in existence at the time the application is submitted and used for legitimate purposes within the permit or adjacent areas.

728.400. An application for a permit revision will be reviewed by the Division to determine whether a new or updated PHC determination will be required.

729. Cumulative Hydrologic Impact Assessment (CHIA).

729.100. The Division will provide an assessment of the probable cumulative hydrologic impacts of the proposed coal mining and reclamation operation and all anticipated coal mining and reclamation operations upon surface- and ground-water systems in the cumulative impact area. The CHIA will be sufficient to determine, for purposes of permit approval whether the proposed coal mining and reclamation operation has been designed to prevent material damage to the hydrologic balance outside the permit area. The Division may allow the applicant to submit data and analyses relevant to the CHIA with the permit application.

729.200. An application for a permit revision will be reviewed by the Division to determine whether a new or updated CHIA will be required.

730. Operation Plan.

731. General Requirements. The permit application will include a plan, with maps and descriptions, indicating how the relevant requirements of R645-301-730, R645-301-740, R645-301-750 and R645-301-760 will be met. The plan will be specific to the local hydrologic conditions. It will contain the steps to be taken during coal mining and reclamation operations through bond release to minimize disturbance to the hydrologic balance within the permit and adjacent areas; to prevent material damage outside the permit area; to support approved postmining land use in accordance with the terms and conditions of the approved permit and performance standards of R645-301-750; to comply with the Clean Water Act (33 U.S.C. 1251 et seq.); and to meet applicable federal

and Utah water quality laws and regulations. The plan will include the measures to be taken to: avoid acid or toxic drainage; prevent to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow; provide water treatment facilities when needed; and control drainage. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES the plan will include measures to be taken to protect or replace water rights and restore approximate premining recharge capacity. The plan will specifically address any potential adverse hydrologic consequences identified in the PHC determination prepared under R645-301-728 and will include preventative and remedial measures.

The Division may require additional preventative, remedial or monitoring measures to assure that material damage to the hydrologic balance outside the permit area is prevented. Coal mining and reclamation operations that minimize water pollution and changes in flow will be used in preference to water treatment.

731.100. Hydrologic-Balance Protection.

731.110. Ground-Water Protection. In order to protect the hydrologic balance, coal mining and reclamation operations will be conducted according to the plan approved under R645-301-731 and the following:

731.111. Ground-water quality will be protected by handling earth materials and runoff in a manner that minimizes acidic, toxic or other harmful infiltration to ground-water systems and by managing excavations and other disturbances to prevent or control the discharge of pollutants into the ground water; and

731.112. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES ground-water quantity will be protected by handling earth materials and runoff in a manner that will restore approximate premining recharge capacity of the reclaimed area as a whole, excluding coal mine waste disposal areas and fills, so as to allow the movement of water to the ground-water system.

731.120. Surface-Water Protection. In order to protect the hydrologic balance, coal mining and reclamation operations will be conducted according to the plan approved under R645-301-731 and the following:

731.121. Surface-water quality will be protected by handling earth materials, ground-water discharges and runoff in a manner that minimizes the formation of acidic or toxic drainage; prevents, to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow outside the permit area; and, otherwise prevent water pollution. If drainage control, restabilization and revegetation of disturbed areas, diversion of runoff, mulching or other reclamation and remedial practices are not adequate to meet the requirements of R645-301-731.100 through R645-301-731.522, R645-301-731.800 and R645-301-751, the operator will use and maintain the necessary water treatment facilities or water quality controls; and

731.122. Surface-water quantity and flow rates will be protected by handling earth materials and runoff in accordance with the steps outlined in the plan approved under R645-301-731.

731.200. Water Monitoring.

731.210. Ground-Water Monitoring. Ground-water monitoring will be conducted according to the plan approved under R645-301-731.200 and the following:

731.211. The permit application will include a ground-water monitoring plan based upon the PHC determination required under R645-301-728 and the analysis of all baseline hydrologic, geologic and other information in the permit application. The plan will provide for the monitoring of parameters that relate to the suitability of the ground water for current and approved postmining land uses and to the objectives for protection of the hydrologic balance set forth in R645-301-731. It will identify the quantity and quality parameters to be monitored, sampling frequency and site locations. It will describe how these data may be used to determine the impacts of the operation upon the hydrologic balance. At a minimum, total dissolved solids or specific conductance corrected to 25 degrees C, pH, total iron, total manganese and water levels will be monitored;

731.212. Ground-water will be monitored and data will be submitted at least every three months for each monitoring location. Monitoring submittals will include analytical results from each sample taken during the approved reporting period. When the analysis of any ground-water sample indicates noncompliance with the permit conditions, then the operator will promptly notify the Division and immediately take the actions provided for in R645-300-145 and R645-301-731;

731.213. If an applicant can demonstrate by the use of the PHC determination and other available information that a particular water-bearing stratum in the proposed permit and adjacent areas is not one which serves as an aquifer which significantly ensures the hydrologic balance within the cumulative impact area, then monitoring of that stratum may be waived by the Division;

731.214. Ground-water monitoring will proceed through mining and continue during reclamation until bond release. Consistent with the procedures of R645-303-220 through R645-303-228, the Division may modify the monitoring requirements including the parameters covered and the sampling frequency if the operator demonstrates, using the monitoring data obtained under R645-301-731.214 that:

731.214.1. The coal mining and reclamation operation has minimized disturbance to the prevailing hydrologic balance in the permit and adjacent areas and prevented material damage to the hydrologic balance outside the permit area; water quantity and quality are suitable to support approved postmining land uses and the SURFACE COAL MINING AND RECLAMATION ACTIVITY has protected or replaced the water rights of other users; or

731.214.2. Monitoring is no longer necessary to achieve the purposes set forth in the monitoring plan approved under R645-301-731.211.

731.215. Equipment, structures and other devices used in conjunction with monitoring the quality and quantity of ground water on-site and off-site will be properly installed, maintained and operated and will be removed by the operator when no longer needed.

731.220. Surface-Water Monitoring. Surface-water monitoring will be conducted according to the plan approved under R645-301-731.220 and the following:

731.221. The permit application will include a surface-water monitoring plan based upon the PHC determination required under R645-301-728 and the analysis of all baseline hydrologic, geologic and other information in the permit application. The plan will provide for the monitoring of parameters that relate to the suitability of the surface water for current and approved postmining land uses and to the objectives for protection of the hydrologic balance as set forth in R645-301-731 as well as the effluent limitations found in R645-301-751;

731.222. The plan will identify the surface water quantity and quality parameters to be monitored, sampling frequency and site locations. It will describe how these data may be used to determine the impacts of the operation upon the hydrologic balance:

731.222.1. At all monitoring locations in streams, lakes and impoundments, that are potentially impacted or into which water will be discharged and at upstream monitoring locations, the total dissolved solids or specific conductance corrected to 25 degrees C, total suspended solids, pH, total iron, total manganese and flow will be monitored; and

731.222.2. For point-source discharges, monitoring will be conducted in accordance with 40 CFR Parts 122 and 123, R645-301-751 and as required by the Utah Division of Environmental Health for National Pollutant Discharge Elimination System (NPDES) permits;

731.223. Surface-water monitoring data will be submitted at least every three months for each monitoring location. Monitoring submittals will include analytical results from each sample taken during the approved reporting period. When the analysis of any surface water sample indicates noncompliance with the permit conditions, the operator will promptly notify the Division and immediately take the actions provided for in R645-300-145 and R645-301-731. The reporting requirements of this paragraph do not exempt the operator from meeting any National Pollutant Discharge Elimination System (NPDES) reporting requirements;

731.224. Surface-water monitoring will proceed through mining and continue during reclamation until bond release. Consistent with R645-303-220 through R645-303-228, the Division may modify the monitoring requirements, except those required by the Utah Division of Environmental Health, including the parameters covered and sampling frequency if the operator demonstrates, using the monitoring data obtained under R645-301-731.224 that:

731.224.1. The operator has minimized disturbance to the hydrologic balance in the permit and adjacent areas and prevented material damage to the hydrologic balance outside the permit area; water quantity and quality are suitable to support approved postmining land uses and the SURFACE COAL MINING AND RECLAMATION ACTIVITY has protected or replaced the water rights of other users; or

731.224.2. Monitoring is no longer necessary to achieve the purposes set forth in the monitoring plan approved under R645-301-731.221.

731.225. Equipment, structures and other devices used in conjunction with monitoring the quality and quantity of surface water on-site and off-site will be properly installed, maintained and operated and will be removed by the operator when no longer needed.

731.300. Acid- and Toxic-Forming Materials.

731.310. Drainage from acid- and toxic-forming materials and underground development waste into surface water and ground water will be avoided by:

731.311. Identifying and burying and/or treating, when necessary, materials which may adversely affect water quality, or be detrimental to vegetation or to public health and safety if not buried and/or treated; and

731.312. Storing materials in a manner that will protect surface water and ground water by preventing erosion, the formation of polluted runoff and the infiltration of polluted water. Storage will be limited to the period until burial and/or treatment first become feasible, and so long as storage will not result in any risk of water pollution or other environmental damage.

731.320. Storage, burial or treatment practices will be consistent with other material handling and disposal provisions of R645 Rules.

731.400. Transfer of Wells. Before final release of bond, exploratory or monitoring wells will be sealed in a safe and environmentally sound manner in accordance with R645-301-631, R645-301-738, and R645-301-765. With the prior approval of the Division, wells may be transferred to another party for further use. However, at a minimum, the conditions of such transfer will comply with Utah and local laws and the permittee will remain responsible for the proper management of the well until bond release in accordance with R645-301-529, R645-301-551, R645-301-631, R645-301-738, and R645-301-765.

731.500. Discharges.

731.510. Discharges into an underground mine.

731.511. Discharges into an underground mine are prohibited, unless specifically approved by the Division after a demonstration that the discharge will:

731.511.1. Minimize disturbance to the hydrologic balance on the permit area, prevent material damage outside the permit area and otherwise eliminate public hazards resulting from coal mining and reclamation operations;

731.511.2. Not result in a violation of applicable water quality standards or effluent limitations;

731.511.3. Be at a known rate and quality which will meet the effluent limitations of R645-301-751 for pH and total suspended solids, except that the pH and total suspended solids limitations may be exceeded, if approved by the Division; and

731.511.4. Meet with the approval of MSHA.

731.512. Discharges will be limited to the following:

731.512.1. Water;

731.512.2. Coal processing waste;

731.512.3. Fly ash from a coal fired facility;

731.512.4. Sludge from an acid-mine-drainage treatment facility;

731.512.5. Flue-gas desulfurization sludge;

731.512.6. Inert materials used for stabilizing underground mines; and

731.512.7. Underground mine development wastes.

731.513. Water from the underground workings of an UNDERGROUND COAL MINING AND RECLAMATION ACTIVITY may be diverted into other underground workings according to the requirements of R645-301-731.100 through R645-301-731.522 and R645-301-731.800.

731.520. Gravity Discharges from UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES.

731.521. Surface entries and accesses to underground workings will be located and managed to prevent or control gravity discharge of water from the mine. Gravity discharges of water from an underground mine, other than a drift mine subject to R645-301-731.522, may be allowed by the Division if it is demonstrated that the untreated or treated discharge complies with the performance standards of R645-301 and R645-302 and any additional NPDES permit requirements.

731.522. Notwithstanding anything to the contrary in R645-301-731.521, the surface entries and accesses of drift mines first used after January 21, 1981 and located in acid-producing or iron-producing coal seams will be located in such a manner as to prevent any gravity discharge from the mine.

731.530. State-appropriated water supply. The permittee will promptly replace any State-appropriated water supply that is contaminated, diminished or interrupted by UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES conducted after October 24, 1992, if the affected water supply was in existence before the date the Division received the permit application for the activities causing the loss, contamination or interruption. The baseline hydrologic and geologic information required in R645-301-700. will be used to determine the impact of mining activities upon the water supply.

731.600. Stream Buffer Zones.

731.610. No land within 100 feet of a perennial stream or an intermittent stream will be disturbed by coal mining and reclamation operations, unless the Division specifically authorizes coal mining and reclamation operations closer to, or through, such a stream. The Division may authorize such activities only upon finding that:

731.611. Coal mining and reclamation operations will not cause or contribute to the violation of applicable Utah or federal water quality standards and will not adversely affect the water quantity and quality or other environmental resources of the stream; and

731.612. If there will be a temporary or permanent stream channel diversion, it will comply with R645-301-742.300.

731.620. The area not to be disturbed will be designated as a buffer zone, and the operator will mark it as specified in R645-301-521.260.

731.700. Cross Sections and Maps. Each application will contain for the proposed permit area:

731.710. A map showing the locations of water supply intakes for current users of surface water flowing into, out of and within a hydrologic area defined by the Division, and those surface waters which will receive discharges from affected areas in the proposed permit area;

731.720. A map showing the locations of each water diversion, collection, conveyance, treatment, storage and discharge facility to be used. The map will be prepared and certified according to R645-301-512;

731.730. A map showing locations and elevations of each station to be used for water monitoring during coal mining and reclamation operations. The map will be prepared and certified according to R645-301-512;

731.740. A map showing the locations of each existing and proposed sedimentation pond, impoundment and coal processing waste bank, dam or embankment. The map will be prepared and certified according to R645-301-512;

731.750. Cross sections for each existing and proposed sedimentation pond, impoundment and coal processing waste bank, dam or embankment. The cross sections will be prepared and certified according to R645-301-512.200; and

731.760. Other relevant cross sections and maps required by the Division depending on the structures and facilities located in the permit area.

731.800. Water Rights and Replacement. Any person who conducts SURFACE COAL MINING AND RECLAMATION ACTIVITIES will replace the water supply of an owner of interest in real property who obtains all or part of his or her supply of water for domestic, agricultural, industrial, or other legitimate use from an underground or surface source, where the water supply has been adversely impacted by contamination, diminution, or interruption proximately resulting from the surface mining activities. Baseline hydrologic information required in R645-301-624.100 through R645-301-624.200, R645-301-625, R645-301-626, R645-301-723 through R645-301-724.300, R645-301-724.500, R645-301-725 through R645-301-731, and R645-301-731.210 through R645-301-731.223 will be used to determine the extent of the impact of mining upon ground water and surface water.

732. Sediment Control Measures.

732.100. Siltation Structures. Siltation structures will be constructed and maintained to comply with R645-301-742.214. Any siltation structure that impounds water will be constructed and maintained to comply with R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.224, and R645-301-743.

732.200. Sedimentation Ponds.

732.210. Sedimentation ponds whether temporary or permanent, will be designed in compliance with the requirements of R645-301-356.300, R645-301-356.400, R645-301-513.200, R645-301-742.200 through R645-301-742.240, and R645-301-763. Any sedimentation pond or earthen structure which will remain on the proposed permit area as a permanent water impoundment will also be constructed and maintained to comply with the requirements of R645-301-743, R645-301-533.100 through R645-301-533.600, R645-301-512.240, R645-301-514.310 through R645-301-514.321 and R645-301-515.200.

732.220. Each plan will, at a minimum, comply with the MSHA requirements given under R645-301-513.100 and R645-301-513.200.

732.300. Diversions. All diversions will be constructed and maintained to comply with the requirements of R645-

301-742.100 and R645-301-742.300.

732.400. Road Drainage. All roads will be constructed, maintained and reconstructed to comply with R645-301-742.400.

732.410. The permit application will contain a description of measures to be taken to obtain Division approval for alteration or relocation of a natural drainageway under R645-301-358, R645-301-512.250, R645-301-527.100, R645-301-527.230, R645-301-534.100, R645-301-534.200, R645-301-534.300, R645-301-542.600, R645-301-742.410, R645-301-742.420, R645-301-752.200, and R645-301-762.

732.420. The permit application will contain a description of measures, other than use of a rock headwall, to be taken to protect the inlet end of a ditch relief culvert, for Division approval under R645-301-358, R645-301-512.250, R645-301-527.100, R645-301-527.230, R645-301-534.100, R645-301-534.200, R645-301-534.300, R645-301-542.600, R645-301-742.410, R645-301-742.420, R645-301-752.200, and R645-301-762.

733. Impoundments.

733.100. General Plans. Each permit application will contain a general plan for each proposed water impoundment within the proposed permit area. Each general plan will:

733.110. Be prepared and certified as described under R645-301-512;

733.120. Contain maps and cross sections;

733.130. Contain a narrative that describes the structure;

733.140. Contain the results of a survey as described under R645-301-531;

733.150. Contain preliminary hydrologic and geologic information required to assess the hydrologic impact of the structure; and

733.160. Contain a certification statement which includes a schedule setting forth the dates when any detailed design plans for structures that are not submitted with the general plan will be submitted to the Division. The Division will have approved, in writing, the detailed design plan for a structure before construction of the structure begins.

733.200. Permanent and Temporary Impoundments.

733.210. Permanent and temporary impoundments will be designed to comply with the requirements of R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.226, R645-301-743.240, and R645-301-743. Each plan for an impoundment meeting the size or other criteria of the Mine Safety and Health Administration will comply with the requirements of 30 CFR 77.216-1 and 30 CFR 77.216-2. The plan required to be submitted to the District Manager of MSHA under 30 CFR 77.216 will be submitted to the Division as part of the permit application package. For an impoundment not meeting the size criteria of 30 CFR 77.216(a) and located where failure would not be expected to cause loss of life or serious property damage, the Division may establish through the Utah State program approval process engineering design standards that ensure stability comparable to a 1.3 minimum static safety factor in lieu of engineering tests to establish compliance with the minimum static safety factor of 1.3 specified in R645-301-533.100.

733.220. A permanent impoundment of water may be created, if authorized by the Division in the approved permit based upon the following demonstration:

733.221. The size and configuration of such impoundment will be adequate for its intended purposes;

733.222. The quality of impounded water will be suitable on a permanent basis for its intended use and, after reclamation, will meet applicable Utah and federal water quality standards, and discharges from the impoundment will meet applicable effluent limitations and will not degrade the quality of receiving water below applicable Utah and federal water quality standards;

733.223. The water level will be sufficiently stable and be capable of supporting the intended use;

733.224. Final grading will provide for adequate safety and access for proposed water users;

733.225. The impoundment will not result in the diminution of the quality and quantity of water utilized by adjacent or surrounding landowners for agricultural, industrial, recreational or domestic uses; and

733.226. The impoundment will be suitable for the approved postmining land use.

733.230. The Division may authorize the construction of temporary impoundments as part of coal mining and reclamation operations.

733.240. If any examination or inspection discloses that a potential hazard exists, the person who examined the impoundment will promptly inform the Division according to R645-301-515.200.

734. Discharge Structures. Discharge structures will be constructed and maintained to comply with R645-301-744.

735. Disposal of Excess Spoil. Areas designated for the disposal of excess spoil and excess spoil structures will be constructed and maintained to comply with R645-301-745.

736. Coal Mine Waste. Areas designated for the disposal of coal mine waste and coal mine waste structures will be constructed and maintained to comply with R645-301-746.

737. Noncoal Mine Waste. Noncoal mine waste will be stored and final disposal of noncoal mine waste will comply with R645-301-747.

738. Temporary Casing and Sealing of Wells. Each well which has been identified in the approved permit application to be used to monitor ground water conditions will comply with R645-301-748 and be temporarily sealed before use and for the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES protected during use by barricades, or fences, or other protective devices approved by the Division. These devices will be periodically inspected and maintained in good operating condition by the operator conducting SURFACE COAL MINING AND RECLAMATION ACTIVITIES.

740. Design Criteria and Plans.

741. General Requirements. Each permit application will include site-specific plans that incorporate minimum design criteria as set forth in R645-301-740 for the control of drainage from disturbed and undisturbed areas.

742. Sediment Control Measures.

742.100. General Requirements.

742.110. Appropriate sediment control measures will be designed, constructed and maintained using the best technology currently available to:

742.111. Prevent, to the extent possible, additional contributions of sediment to stream flow or to runoff outside the permit area;

742.112. Meet the effluent limitations under R645-301-751; and

742.113. Minimize erosion to the extent possible.

742.120. Sediment control measures include practices carried out within and adjacent to the disturbed area. The sedimentation storage capacity of practices in and downstream from the disturbed areas will reflect the degree to which successful mining and reclamation techniques are applied to reduce erosion and control sediment. Sediment control measures consist of the utilization of proper mining and reclamation methods and sediment control practices, singly or in combination. Sediment control methods include, but are not limited to:

742.121. Retaining sediment within disturbed areas;

742.122. Diverting runoff away from disturbed areas;

742.123. Diverting runoff using protected channels or pipes through disturbed areas so as not to cause additional erosion;

742.124. Using straw dikes, riprap, check dams, mulches, vegetative sediment filters, dugout ponds and other measures that reduce overland flow velocities, reduce runoff volumes or trap sediment;

742.125. Treating with chemicals; and

742.126. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, treating mine drainage in underground sumps.

742.200. Siltation Structures.

742.210. General Requirements.

742.211. Additional contributions of suspended solids and sediment to streamflow or runoff outside the permit area will be prevented to the extent possible using the best technology currently available.

742.212. Siltation structures for an area will be constructed before beginning any coal mining and reclamation operations in that area and, upon construction, will be certified by a qualified registered professional engineer to be constructed as designed and as approved in the reclamation plan.

742.213. Any siltation structures which impounds water will be designed, constructed and maintained in accordance with R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.224, and R645-301-743.

742.214. For the purposes of UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, any point-source discharge of water from underground workings to surface waters which does not meet the effluent limitations of R645-301-751 will be passed through a siltation structure before leaving the permit area.

742.220. Sedimentation Ponds.

742.221. Sedimentation ponds, when used, will:

742.221.1. Be used individually or in series;

742.221.2. Be located as near as possible to the disturbed area and out of perennial streams unless approved by the Division; and

742.221.3. Be designed, constructed, and maintained to:

742.221.31. Provide adequate sediment storage volume;

742.221.32. Provide adequate detention time to allow the effluent from the ponds to meet Utah and federal effluent limitations;

742.221.33. Contain or treat the 10-year, 24-hour precipitation event ("design event") unless a lesser design event is approved by the Division based on terrain, climate, or other site-specific conditions and on a demonstration by the operator that the effluent limitations of R645-301-751 will be met;

742.221.34. Provide a nonclogging dewatering device adequate to maintain the detention time required under R645-301-742.221.32.

742.221.35. Minimize, to the extent possible, short circuiting;

742.221.36. Provide periodic sediment removal sufficient to maintain adequate volume for the design event;

742.221.37. Ensure against excessive settlement;

742.221.38. Be free of sod, large roots, frozen soil, and acid- or toxic forming coal-processing waste; and

742.221.39. Be compacted properly.

742.222. Sedimentation ponds meeting the size or other qualifying criteria of the MSHA, 30 CFR 77.216(a) will comply with all the requirements of that section, and will have a single spillway or principal and emergency spillways that in combination will safely pass a 100-year, 6-hour precipitation event or greater event as demonstrated to be necessary by the Division.

742.223. Sedimentation ponds not meeting the size or other qualifying criteria of the MSHA, 30 CFR 77.216(a) will provide a combination of principal and emergency spillways that will safely discharge a 25-year, 6-hour precipitation event or greater event as demonstrated to be needed by the Division. Such ponds may use a single open channel spillway if the spillway is:

742.223.1. Of nonerodible construction and designed to carry sustained flows; or

742.223.2. Earth- or grass-lined and designed to carry short-term infrequent flows at non-erosive velocities where sustained flows are not expected.

742.224. In lieu of meeting the requirements of R645-301-742.223.1 and 742.223.2 the Division may approve a sedimentation pond that relies primarily on storage to control the runoff from the design precipitation event when it is demonstrated by the operator and certified by a qualified registered professional engineer in accordance with R645-301-512.200 that the sedimentation pond will safely control the design precipitation event. The water will be removed from the pond in accordance with current, prudent, engineering practices and any sediment pond so used will not be located where failure would be expected to cause loss of life or serious property damage.

742.225. An exception to the sediment pond location guidance in R645-301-742.224 may be allowed:

742.225.1. In the case of a sedimentation pond meeting the size or other criteria of 30 CFR 77.216(a), if the pond is designed to control the precipitation of the probable maximum precipitation of a 6 hour event or greater event if specified by the Division; or (30 CFR 816.46(c)(2)(ii)(A))

742.225.2. In the case of a sedimentation pond not meeting the size or other criteria of 30 CFR 77.216(a), if the pond is designed to control the precipitation of a 100 year 6 hour event or greater event if demonstrated to be needed by the Division.

742.230. Other Treatment Facilities.

742.231. Other treatment facilities will be designed to treat the 10-year, 24-hour precipitation event unless a lesser design event is approved by the Division based on terrain, climate, other site-specific conditions and a demonstration by the operator that the effluent limitations of R645-301-751 will be met.

742.232. Other treatment facilities will be designed in accordance with the applicable requirements of R645-301-742.220.

742.240. Exemptions. Exemptions to the requirements of R645-301-742.200 and R645-301-763 may be granted if the disturbed drainage area within the total disturbed area is small and the operator demonstrates that siltation structures and alternate sediment control measures are not necessary for drainage from the disturbed areas to meet the effluent limitations under R645-301-751 or the applicable Utah and federal water quality standards for the receiving waters.

742.300. Diversions.

742.310. General Requirements.

742.311. With the approval of the Division, any flow from mined areas abandoned before May 3, 1978, and any flow from undisturbed areas or reclaimed areas, after meeting the criteria of R645-301-356.300, R645-301-356.400, R645-301-513.200, R645-301-742.200 through R645-301-742.240, and R645-301-763 for siltation structure removal, may be diverted from disturbed areas by means of temporary or permanent diversions. All diversions will be designed to minimize adverse impacts to the hydrologic balance within the permit and adjacent areas, to prevent material damage outside the permit area and to assure the safety of the public. Diversions will not be used to divert water into underground mines without approval of the Division in accordance with R645-301-731.510.

742.312. The diversion and its appurtenant structures will be designed, located, constructed, maintained and used to:

742.312.1. Be stable;

742.312.2. Provide protection against flooding and resultant damage to life and property;

742.312.3. Prevent, to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow outside the permit area; and

742.312.4. Comply with all applicable local, Utah, and federal laws and regulations.

742.313. Temporary diversions will be removed when no longer needed to achieve the purpose for which they were authorized. The land disturbed by the removal process will be restored in accordance with R645-301 and R645-302. Before diversions are removed, downstream water-treatment facilities previously protected by the diversion will be modified or removed, as necessary, to prevent overtopping or failure of the facilities. This requirement will not relieve the operator from maintaining water-treatment facilities as otherwise required. A permanent diversion or a stream channel reclaimed after the removal of a temporary diversion will be designed and constructed so as to restore or approximate the premining characteristics of the original stream channel including the natural riparian vegetation to promote the recovery and the enhancement of the aquatic habitat.

742.314. The Division may specify additional design criteria for diversions to meet the requirements of R645-301-742.300.

742.320. Diversion of Perennial and Intermittent Streams.

742.321. Diversion of perennial and intermittent streams within the permit area may be approved by the Division after making the finding relating to stream buffer zones under R645-301-731.600.

742.322. The design capacity of channels for temporary and permanent stream channel diversions will be at least equal to the capacity of the unmodified stream channel immediately upstream and downstream from the diversion.

742.323. The requirements of R645-301-742.312.2 will be met when the temporary and permanent diversion for perennial and intermittent streams are designed so that the combination of channel, bank and floodplain configuration is adequate to pass safely the peak runoff of a 10-year, 6-hour precipitation event for a temporary diversion and a 100-year, 6-hour precipitation event for a permanent diversion.

742.324. The design and construction of all stream channel diversions of perennial and intermittent streams will be certified by a qualified registered professional engineer as meeting the performance standards of R645-301 and R645-302 and any design criteria set by the Division.

742.330. Diversion of Miscellaneous Flows.

742.331. Miscellaneous flows, which consist of all flows except for perennial and intermittent streams, may be diverted away from disturbed areas if required or approved by the Division. Miscellaneous flows will include ground-water discharges and ephemeral streams.

742.332. The design, location, construction, maintenance, and removal of diversions of miscellaneous flows will meet all of the performance standards set forth in R645-301-742.310.

742.333. The requirements of R645-301-742.312.2 will be met when the temporary and permanent diversions for miscellaneous flows are designed so that the combination of channel, bank and floodplain configuration is adequate to pass safely the peak runoff of a 2-year, 6-hour precipitation event for a temporary diversion and a 10-year, 6-hour precipitation event for a permanent diversion.

742.400. Road Drainage.

742.410. All Roads.

742.411. To ensure environmental protection and safety appropriate for their planned duration and use, including consideration of the type and size of equipment used, the design and construction or reconstruction of roads will

incorporate appropriate limits for surface drainage control, culvert placement, culvert size, and any necessary design criteria established by the Division.

742.412. No part of any road will be located in the channel of an intermittent or perennial stream unless specifically approved by the Division in accordance with applicable parts of R645-301-731 through R645-301-742.300.

742.413. Roads will be located to minimize downstream sedimentation and flooding.

742.420. Primary Roads.

742.421. To minimize erosion, a primary road is to be located, insofar as practical, on the most stable available surfaces.

742.422. Stream fords by primary roads are prohibited unless they are specifically approved by the Division as temporary routes during periods of construction.

742.423. Drainage Control.

742.423.1. Each primary road will be designed, constructed or reconstructed and maintained to have adequate drainage control, using structures such as, but not limited to, bridges, ditches, cross drains, and ditch relief drains. The drainage control system will be designed to pass the peak runoff safely from a 10-year, 6-hour precipitation event, or an alternative event of greater size as demonstrated to be needed by the Division.

742.423.2. Drainage pipes and culverts will be constructed to avoid plugging or collapse and erosion at inlets and outlets.

742.423.3. Drainage ditches will be designed to prevent uncontrolled drainage over the road surface and embankment. Trash racks and debris basins will be installed in the drainage ditches where debris from the drainage area may impair the functions of drainage and sediment control structures.

742.423.4. Natural stream channels will not be altered or relocated without the prior approval of the Division in accordance with R645-301-731.100 through R645-301-731.522, R645-301-731.600, R645-301-731.800, R645-301-742.300, and R645-301-751.

742.423.5. Except as provided in R645-301-742.422, drainage structures will be used for stream channel crossings, made using bridges, culverts or other structures designed, constructed and maintained using current, prudent engineering practice.

743. Impoundments.

743.100. General Requirements. The requirements of R645-301-743 apply to both temporary and permanent impoundments.

743.110. Impoundments meeting the criteria of the MSHA, 30 CFR 77.216(a) will comply with the requirements of 77.216 and R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.224, and R645-301-743. The plan required to be submitted to the District Manager of MSHA under 30 CFR 77.216 will also be submitted to the Division as part of the permit application.

743.120. The design of impoundments will be prepared and certified as described under R645-301-512. Impoundments will have adequate freeboard to resist overtopping by waves and by sudden increases in storage volume.

743.130. Impoundments will include either a combination of principal and emergency spillways or a single spillway as specified in 743.131 which will be designed and constructed to safely pass the design precipitation event or greater event specified in R645-301-743.200 or R645-301-743.300.

743.131. The Division may approve a single-open channel spillway that is:

743.131.1. Of nonerodible construction and designed to carry sustained flows; or

743.131.2. Earth-or grass lined and designed to carry short-term, infrequent flows at non-erosive velocities where sustained flows are not expected.

743.132 In lieu of meeting the requirements of 743.131 the Division may approve an impoundment which meets the requirements of the sediment pond criteria of R645-301-742.224 and 742.225.

743.140. Impoundments will be inspected as described under R645-301-514.300.

743.200. The design precipitation event for the spillways for a permanent impoundment meeting the size or other criteria of MSHA rule 30 CFR 77.216(a) is a 100-year, 6-hour precipitation event, or such larger event as demonstrated to be needed by the Division.

743.300. The design precipitation event for the spillways for an impoundment not meeting the size or other criteria of MSHA rule 30 CFR 77.216(a) is a 25-year, 6-hour precipitation event, or such larger event as demonstrated to be needed by the Division.

744. Discharge Structures.

744.100. Discharge from sedimentation ponds, permanent and temporary impoundments, coal processing waste dams and embankments, and diversions will be controlled, by energy dissipators, riprap channels and other devices, where necessary to reduce erosion to prevent deepening or enlargement of stream channels, and to minimize disturbance of the hydrologic balance.

744.200. Discharge structures will be designed according to standard engineering design procedures.

745. Disposal of Excess Spoil.

745.100. General Requirements.

745.110. Excess spoil will be placed in designated disposal areas within the permit area, in a controlled manner to:

745.111. Minimize the adverse effects of leachate and surface water runoff from the fill on surface and ground waters;

745.112. Ensure permanent impoundments are not located on the completed fill. Small depressions may be allowed by the Division if they are needed to retain moisture or minimize erosion, create and enhance wildlife habitat or assist revegetation, and if they are not incompatible with the stability of the fill; and

745.113. Adequately cover or treat excess spoil that is acid- and toxic-forming with nonacid nontoxic material to control the impact on surface and ground water in accordance with R645-301-731.300 and to minimize adverse effects on

plant growth and the approved postmining land use.

745.120. Drainage control. If the disposal area contains springs, natural or manmade water courses, or wet weather seeps, the fill design will include diversions and underdrains as necessary to control erosion, prevent water infiltration into the fill and ensure stability.

745.121. Diversions will comply with the requirements of R645-301-742.300.

745.122. Underdrains will consist of durable rock or pipe, be designed and constructed using current, prudent engineering practices and meet any design criteria established by the Division. The underdrain system will be designed to carry the anticipated seepage of water due to rainfall away from the excess spoil fill and from seeps and springs in the foundation of the disposal area and will be protected from piping and contamination by an adequate filter. Rock underdrains will be constructed of durable, nonacid-, nontoxic-forming rock (e.g., natural sand and gravel, sandstone, limestone or other durable rock) that does not slake in water or degrade to soil materials and which is free of coal, clay or other nondurable material. Perforated pipe underdrains will be corrosion resistant and will have characteristics consistent with the long-term life of the fill.

745.200. Valley Fills and Head-of-Hollow Fills.

745.210. Valley fills and head-of-hollow fills will meet the applicable requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, and R645-301-745.100 and the requirements of R645-301-745.200 and R645-301-535.200.

745.220. Drainage Control.

745.221. The top surface of the completed fill will be graded such that the final slope after settlement will be toward properly designed drainage channels. Uncontrolled surface drainage may not be directed over the outslope of the fill.

745.222. Runoff from areas above the fill and runoff from the surface of the fill will be diverted into stabilized diversion channels designed to meet the requirements of R645-301-742.300 and to safely pass the runoff from a 100-year, 6-hour precipitation event.

745.300. Durable Rock Fills. The Division may approve disposal of excess durable rock spoil provided the following conditions are satisfied:

745.310. Except as provided in R645-301-745.300, the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-514.100, R645-301-528.310, R645-301-535.100 through R645-301-535.130, R645-301-535.500, R645-301-536.300, R645-301-542.720, R645-301-553.240, and R645-301-745.100 are met;

745.320. The underdrain system may be constructed simultaneously with excess spoil placement by the natural segregation of dumped materials, provided the resulting underdrain system is capable of carrying anticipated seepage of water due to rainfall away from the excess spoil fill and from seeps and springs in the foundation of the disposal area and the other requirements for drainage control are met; and

745.330. Surface water runoff from areas adjacent to and above the fill is not allowed to flow onto the fill and is diverted into stabilized diversion channels designed to meet the requirements of R645-301-742.300 and to safely pass the runoff from a 100-year, 6-hour precipitation event.

745.400. Preexisting Benches. The Division may approve the disposal of excess spoil through placement on preexisting benches, provided that the requirements of R645-301-211, R645-301-212, R645-301-412.300, R645-301-512.210, R645-301-512.220, R645-301-514.100, R645-301-535.100, R645-301-535.112 through R645-301-535.130, R645-301-535.300 through R645-301-536.300, R645-301-542.720, R645-301-553.240, R645-301-745.100, R645-301-745.300, and R645-301-745.400 and the requirements of R645-301-535.400 are met.

746. Coal Mine Waste.

746.100. General Requirements.

746.110. All coal mine waste will be placed in new or existing disposal areas within a permit area which are approved by the Division.

746.120. Coal mine waste will be placed in a controlled manner to minimize adverse effects of leachate and surface water runoff on surface and ground water quality and quantity.

746.200. Refuse Piles.

746.210. Refuse piles will meet the requirements of R645-301-512.230, R645-301-515.200, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-542.730, and R645-301-746.100 and the additional requirements of R645-301-210, R645-301-513.400, R645-301-514.200, R645-301-528.322, R645-301-536.900, R645-301-553.250, and R645-301-746.200 and the requirements of the MSHA, 30 CFR 77.214 and 77.215.

746.211. If the disposal area contains springs, natural or manmade water courses, or wet weather seeps, the design will include diversions and underdrains as necessary to control erosion, prevent water infiltration into the disposal facility and ensure stability.

746.212. Uncontrolled surface drainage may not be diverted over the outslope of the refuse pile. Runoff from areas above the refuse pile and runoff from the surface of the refuse pile will be diverted into stabilized diversion channels designed to meet the requirements of R645-301-742.300 to safely pass the runoff from a 100-year, 6-hour precipitation event. Runoff diverted from undisturbed areas need not be commingled with runoff from the surface of the refuse pile.

746.213. Underdrains will comply with the requirements of R645-301-745.122.

746.220. Surface Area Stabilization.

746.221. Slope protection will be provided to minimize surface erosion at the site. All disturbed areas, including diversion channels that are not riprapped or otherwise protected, will be revegetated upon completion of construction.

746.222. No permanent impoundments will be allowed on the completed refuse pile. Small depressions may be allowed by the Division if they are needed to retain moisture, minimize erosion, create and enhance wildlife habitat, or assist revegetation, and if they are not incompatible with stability of the refuse pile.

746.300. Impounding structures. New and existing

impounding structures constructed of coal mine waste or intended to impound coal mine waste will meet the requirements of R645-301-512.230, R645-301-515.200, R645-301-528.320, R645-301-536 through R645-301-536.200, R645-301-536.500, R645-301-542.730, and R645-301-746.100.

746.310. Coal mine waste will not be used for construction of impounding structures unless it has been demonstrated to the Division that the use of coal mine waste will not have a detrimental effect on downstream water quality or the environment due to acid seepage through the impounding structure. The potential impact of acid mine seepage through the impounding structure will be discussed in detail.

746.311. Each impounding structure constructed of coal mine waste or intended to impound coal mine waste will be designed, constructed and maintained in accordance with R645-301-512.240, R645-301-513.200, R645-301-514.310 through R645-301-514.330, R645-301-515.200, R645-301-533.100 through R645-301-533.500, R645-301-733.230, R645-301-733.240, R645-301-743.100, and R645-301-743.300. Such structures may not be retained permanently as part of the approved postmining land use.

746.312 Each impounding structure constructed of coal mine waste or intended to impound coal mine waste that meets the criteria of 30 CFR 77.216(a) will have sufficient spillway capacity to safely pass, adequate storage capacity to safely contain, or a combination of storage capacity and spillway capacity to safely control the probable maximum precipitation of a 6-hour precipitation event, or greater event as demonstrated to be needed by the Division.

746.320. Spillways and outlet works will be designed to provide adequate protection against erosion and corrosion. Inlets will be protected against blockage.

746.330. Drainage control. Runoff from areas above the disposal facility or runoff from the surface of the facility that may cause instability or erosion of the impounding structure will be diverted into stabilized diversion channels designed to meet the requirements of R645-301-742.300 and designed to safely pass the runoff from a 100-year, 6-hour design precipitation event.

746.340. Impounding structures constructed of or impounding coal mine waste will be designed and operated so that at least 90 percent of the water stored during the design precipitation event will be removed within a 10-day period following that event.

746.400. Return of Coal Processing Waste to Abandoned Underground Workings. Each permit application to conduct UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES will, if appropriate, include a plan of proposed methods for returning coal processing waste to abandoned underground workings as follows:

746.410. The plan will describe the source of the hydraulic transport mediums, method of dewatering the placed backfill, retainment of water underground, treatment of water if released to surface streams and the effect on the hydrologic regime;

746.420. The plan will describe each permanent monitoring well to be located in the backfilled areas, the stratum underlying the mined coal and gradient from the backfilled area; and

746.430. The requirements of R645-301-513.300, R645-301-528.321, R645-301-536.700, R645-301-746.410 and R645-746.420 will also apply to pneumatic backfilling operations, except where the operations are exempted by the Division from requirements specifying hydrologic monitoring.

747. Disposal of Noncoal Mine Waste.

747.100. Noncoal mine waste, including but not limited to grease, lubricants, paints, flammable liquids, garbage, machinery, lumber and other combustible materials generated during coal mining and reclamation operations will be placed and stored in a controlled manner in a designated portion of the permit area or state-approved solid waste disposal area.

747.200. Placement and storage of noncoal mine waste within the permit area will ensure that leachate and surface runoff do not degrade surface or ground water.

747.300. Final disposal of noncoal mine waste within the permit area will ensure that leachate and drainage does not degrade surface or underground water.

748. Casing and Sealing of Wells. Each water well will be cased, sealed, or otherwise managed, as approved by the Division, to prevent acid or other toxic drainage from entering ground or surface water, to minimize disturbance to the hydrologic balance, and to ensure the safety of people, livestock, fish and wildlife, and machinery in the permit and adjacent area. If a water well is exposed by coal mining and reclamation operations, it will be permanently closed unless otherwise managed in a manner approved by the Division. Use of a drilled hole or borehole or monitoring well as a water well must comply with the provision of R645-301-731.100 through R645-301-731.522 and R645-301-731.800.

750. Performance Standards.

All coal mining and reclamation operations will be conducted to minimize disturbance to the hydrologic balance within the permit and adjacent areas, to prevent material damage to the hydrologic balance outside the permit area and support approved postmining land uses in accordance with the terms and conditions of the approved permit and the performance standards of R645-301 and R645-302. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES, operations will be conducted to assure the protection or replacement of water rights in accordance with the terms and conditions of the approved permit and the performance standards of R645-301 and R645-302.

751. Water Quality Standards and Effluent Limitations. Discharges of water from areas disturbed by coal mining and reclamation operations will be made in compliance with all Utah and federal water quality laws and regulations and with effluent limitations for coal mining promulgated by the U.S. Environmental Protection Agency set forth in 40 CFR Part 434.

752. Sediment Control Measures. Sediment control measures must be located, maintained, constructed and reclaimed according to plans and designs given under R645-301-732, R645-301-742 and R645-301-760.

752.100. Siltation structures and diversions will be

located, maintained, constructed and reclaimed according to plans and designs given under R645-301-732, R645-301-742 and R645-301-763.

752.200. Road Drainage. Roads will be located, designed, constructed, reconstructed, used, maintained and reclaimed according to R645-301-732.400, R645-301-742.400 and R645-301-762 and to achieve the following:

752.210. Control or prevent erosion, siltation and the air pollution attendant to erosion by vegetating or otherwise stabilizing all exposed surfaces in accordance with current, prudent engineering practices;

752.220. Control or prevent additional contributions of suspended solids to stream flow or runoff outside the permit area;

752.230. Neither cause nor contribute to, directly or indirectly, the violation of effluent standards given under R645-301-751;

752.240. Minimize the diminution to or degradation of the quality or quantity of surface- and ground-water systems; and

752.250. Refrain from significantly altering the normal flow of water in streambeds or drainage channels.

753. Impoundments and Discharge Structures. Impoundments and discharge structures will be located, maintained, constructed and reclaimed to comply with R645-301-733, R645-301-734, R645-301-743, R645-301-745 and R645-301-760.

754. Disposal of Excess Spoil, Coal Mine Waste and Noncoal Mine Waste. Disposal areas for excess spoil, coal mine waste and noncoal mine waste will be located, maintained, constructed and reclaimed to comply with R645-301-735, R645-301-736, R645-301-745, R645-301-746, R645-301-747 and R645-301-760.

755. Casing and Sealing of Wells. All wells will be managed to comply with R645-301-748 and R645-301-765. Water monitoring wells will be managed on a temporary basis according to R645-301-738.

760. Reclamation.

761. General Requirements. Before abandoning a permit area or seeking bond release, the operator will ensure that all temporary structures are removed and reclaimed, and that all permanent sedimentation ponds, diversions, impoundments and treatment facilities meet the requirements of R645-301 and R645-302 for permanent structures, have been maintained properly and meet the requirements of the approved reclamation plan for permanent structures and impoundments. The operator will renovate such structures if necessary to meet the requirements of R645-301 and R645-302 and to conform to the approved reclamation plan.

762. Roads. A road not to be retained for use under an approved postmining land use will be reclaimed immediately after it is no longer needed for coal mining and reclamation operations, including:

762.100. Restoring the natural drainage patterns;

762.200. Reshaping all cut and fill slopes to be compatible with the postmining land use and to complement the drainage pattern of the surrounding terrain.

763. Siltation Structures.

763.100. Siltation structures will be maintained until removal is authorized by the Division and the disturbed area has been stabilized and revegetated. In no case will the structure be removed sooner than two years after the last augmented seeding.

763.200. When the siltation structure is removed, the land on which the siltation structure was located will be regraded and revegetated in accordance with the reclamation plan and R645-301-358, R645-301-356, and R645-301-357. Sedimentation ponds approved by the Division for retention as permanent impoundments may be exempted from this requirement.

764. Structure Removal. The application will include the timetable and plans to remove each structure, if appropriate.

765. Permanent Casing and Sealing of Wells. When no longer needed for monitoring or other use approved by the Division upon a finding of no adverse environmental or health and safety effects, or unless approved for transfer as a water well under R645-301-731.100 through R645-301-731.522 and R645-301-731.800, each well will be capped, sealed, backfilled, or otherwise properly managed, as required by the Division in accordance with R645-301-529.400, R645-301-631.100, and R645-301-748. Permanent closure measures will be designed to prevent access to the mine workings by people, livestock, fish and wildlife, machinery and to keep acid or other toxic drainage from entering ground or surface waters.

R645-301-800. Bonding and Insurance.

The rules in R645-301-800 set forth the minimum requirements for filing and maintaining bonds and insurance for coal mining and reclamation operations under the State Program.

810. Bonding Definitions and Division Responsibilities.

811. Terms used in R645-301-800 may be found defined in R645-100-200.

812. Division Responsibilities -- Bonding.

812.100. The Division will prescribe and furnish forms for filing performance bonds.

812.200. The Division will prescribe by regulation terms and conditions for performance bonds and insurance.

812.300. The Division will determine the amount of the bond for each area to be bonded, in accordance with R645-301-830. The Division will also adjust the amount as acreage in the permit area is revised, or when other relevant conditions change according to the requirements of R645-301-830.400.

812.400. The Division may accept a self-bond if the permittee meets the requirements of R645-301-860.300 and any additional requirements in the State or Federal program.

812.500. The Division will release liability under a bond or bonds in accordance with R645-301-880 through R645-301-880.800.

812.600. If the conditions specified in R645-301-880.900 occur, the Division will take appropriate action to cause all or part of a bond to be forfeited in accordance with procedures of that Section.

812.700. The Division will require in the permit that adequate bond coverage be in effect at all times. Except as

provided in R645-301-840.520, operating without a bond is a violation of a condition upon which the permit is issued.

820. Requirement to File a Bond.

820.100. After a permit application under R645-301 has been approved, but before a permit is issued, the applicant will file with the Division, on a form prescribed and furnished by the Division, a bond or bonds for performance made payable to the Division and conditioned upon the faithful performance of all the requirements of the State Program, the permit and the reclamation plan.

820.110. Areas to be covered by the Performance Bond are:

820.111. The bond or bonds will cover the entire permit area, or an identified increment of land within the permit area upon which the operator will initiate and conduct coal mining and reclamation operations during the initial term of the permit.

820.112. As coal mining and reclamation operations on succeeding increments are initiated and conducted within the permit area, the permittee will file with the Division an additional bond or bonds to cover such increments in accordance with R645-830.400.

820.113. The operator will identify the initial and successive areas or increments for bonding on the permit application map submitted for approval as provided in the application, and will specify the bond amount to be provided for each area or increment.

820.114. Independent increments will be of sufficient size and configuration to provide for efficient reclamation operations should reclamation by the Division become necessary pursuant to R645-301-880.900.

820.120. An operator will not disturb any surface areas, succeeding increments, or extend any underground shafts, tunnels, or operations prior to acceptance by the Division of the required performance bond.

820.130. The applicant will file, with the approval of the Division, a bond or bonds under one of the following schemes to cover the bond amounts for the permit area as determined in accordance with R645-301-830:

820.131. A performance bond or bonds for the entire permit area;

820.132. A cumulative bond schedule and the performance bond required for full reclamation of the initial area to be disturbed; or

820.133. An incremental-bond schedule and the performance bond required for the first increment in the schedule.

820.200. Form of the Performance Bond.

820.210. The Division will prescribe the form of the performance bond.

820.220. The Division may allow for:

820.221. A surety bond;

820.222. A collateral bond;

820.223. A self-bond; or

820.224. A combination of any of these bonding methods.

820.300. Period of Liability.

820.310. Performance bond liability will be for the duration of the coal mining and reclamation operations and for a period which is coincident with the operator's period of extended responsibility for successful revegetation provided in R645-301-356 or until achievement of the reclamation requirements of the State Program and permit, whichever is later.

820.320. With the approval of the Division, a bond may be posted and approved to guarantee specific phases of reclamation within the permit area provided the sum of phase bonds posted equals or exceeds the total amount required under R645-301-830 and 830.400. The scope of work to be guaranteed and the liability assumed under each phase bond will be specified in detail.

820.330. Isolated and clearly defined portions of the permit area requiring extended liability may be separated from the original area and bonded separately with the approval of the Division. Such areas will be limited in extent and not constitute a scattered, intermittent, or checkerboard pattern of failure. Access to the separated areas for remedial work may be included in the area under extended liability if deemed necessary by the Division.

820.340. If the Division approves a long-term, intensive agricultural postmining land-use, in accordance with R645-301-413, the applicable five- or ten-year period of liability will commence at the date of initial planting for such long-term agricultural use.

820.350. General.

820.351. The bond liability of the permittee will include only those actions which he or she is obligated to take under the permit, including completion of the reclamation plan, so that the land will be capable of supporting the postmining land use approved under R645-301-413.

820.352. Implementation of an alternative postmining land-use approved under R645-301-413.300 which is beyond the control of the permittee need not be covered by the bond. Bond liability for prime farmland will be as specified in R645-301-880.320.

830. Determination of Bond Amount.

830.100. The amount of the bond required for each bonded area will:

830.110. Be determined by the Division;

830.120. Depend upon the requirements of the approved permit and reclamation plan;

830.130. Reflect the probable difficulty of reclamation, giving consideration to such factors as topography, geology, hydrology and revegetation potential; and

830.140. Be based on, but not limited to, the detailed estimated cost, with supporting calculations for the estimates, submitted by the permit applicant.

830.200. The amount of the bond will be sufficient to assure the completion of the reclamation plan if the work has to be performed by the Division in the event of forfeiture, and in no case will the total bond initially posted for the entire area under one permit be less than $10,000.

830.300. An additional inflation factor will be added to the subtotal for the permit term. This inflation factor will be based upon an acceptable Costs Index.

830.400. Adjustment of Amount.

830.410. The amount of the bond or deposit required and the terms of the acceptance of the applicant's bond will be

adjusted by the Division from time to time as the area requiring bond coverage is increased or decreased or where the cost of future reclamation changes. The Division may specify periodic times or set a schedule for reevaluating and adjusting the bond amount to fulfill this requirement.

830.420. The Division will:

830.421. Notify the permittee, the surety, and any person with a property interest in collateral who has requested notification under R645-301-860.260 of any proposed adjustment to the bond amount; and

830.422. Provide the permittee an opportunity for an informal conference on the adjustment.

830.430. A permittee may request reduction of the amount of the performance bond upon submission of evidence to the Division providing that the permittee's method of operation or other circumstances reduces the estimated cost for the Division to reclaim the bonded area. Bond adjustments which involve undisturbed land or revision of the cost estimate of reclamation are not considered bond release subject to procedures of R645-301-880.100 through R645-301-880.800.

830.440. In the event that an approved permit is revised in accordance with the R645 rules, the Division will review the bond for adequacy and, if necessary, will require adjustment of the bond to conform to the permit as revised.

830.500. An operator's financial responsibility under R645-301-525.230 for repairing material damage resulting from subsidence may be satisfied by the liability insurance policy required under R645-301-890.

840. General Terms and Conditions of the Bond.

840.100. The performance bond will be in an amount determined by the Division as provided in R645-301-830.

840.200. The performance bond will be payable to the Division.

840.300. The performance bond will be conditioned upon faithful performance of all the requirements of the State Program and the approved permit, including completion of the reclamation plan.

840.400. The duration of the bond will be for the time period provided in R645-301-820.300.

840.500. General.

840.510. The bond will provide a mechanism for a bank or surety company to give prompt notice to the Division and the permittee of any action filed alleging the insolvency or bankruptcy of the surety company, the bank, or the permittee, or alleging any violations which would result in suspension or revocation of the surety or bank charter or license to do business.

840.520. Upon the incapacity of a bank or surety company by reason of bankruptcy, insolvency, or suspension or revocation of a charter or license, the permittee will be deemed to be without bond coverage and will promptly notify the Division. The Division, upon notification received through procedures of R645-301-840.510 or from the permittee, will, in writing, notify the operator who is without bond coverage and specify a reasonable period, not to exceed 90 days, to replace bond coverage. If an adequate bond is not posted by the end of the period allowed, the operator will cease coal extraction and will comply with the provisions of R645-301-541.100 through R645-301-541.400 as applicable and will immediately begin to conduct reclamation operations in accordance with the reclamation plan. Mining operations will not resume until the Division has determined that an acceptable bond has been posted.

850. Bonding Requirements for UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES and Associated Long-Term Coal-Related Surface Facilities and Structures.

850.100. Responsibilities. The Division will require bond coverage, in an amount determined under R645-301-830, for long-term surface facilities and structures, and for areas disturbed by surface impacts incident to UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES, for which a permit is required. Specific reclamation techniques required for underground mines and long-term facilities will be considered in determining the amount of bond to complete the reclamation.

850.200. Long-term period of liability.

850.210. The period of liability for every bond covering long-term surface disturbances will commence with the issuance of a permit, except that to the extent that such disturbances will occur on a succeeding increment to be bonded, such liability will commence upon the posting of the bond for that increment before the initial surface disturbance of that increment. The liability period will extend until all reclamation, restoration, and abatement work under the permit has been completed and the bond is released under the provisions of R645-301-880.100 through R645-301-880.800 or until the bond has been replaced or extended in accordance with R645-301-850.230.

850.220. Long-term surface disturbances will include long-term coal-related surface facilities and structures, and surface impacts incident to underground coal mining activities which disturb an area for a period that exceeds five years. Long-term surface disturbances include, but are not limited to: surface features of shafts and slope facilities; coal refuse areas; powerlines; boreholes; ventilation shafts; preparation plants; machine shops, roads and loading and treatment facilities.

850.230. To achieve continuous bond coverage for long-term surface disturbances, the bond will be conditioned upon extension, replacement or payment in full, 30 days prior to the expiration of the bond term.

850.240. Continuous bond coverage will apply throughout the period of extended responsibility for successful revegetation and until the provisions of R645-301-880.100 through R645-301-880.800 inclusive have been met.

850.300. Bond Forfeiture. The Division will take action to forfeit a bond pursuant to R645-301-850 if 30 days prior to bond expiration the operator has not filed:

850.310. The performance bond for a new term as required for continuous coverage; or

850.320. A performance bond providing coverage for the period of liability, including the period of extended responsibility for successful revegetation.

860. Forms of Bonds.

860.100. Surety Bonds.

860.110. A surety bond will be executed by the operator

and a corporate surety licensed to do business in Utah.

860.120. Surety bonds will be noncancellable during their terms, except that surety bond coverage for lands not disturbed may be canceled with the prior consent of the Division. The Division will advise the surety, within 30 days after receipt of a notice to cancel bond, whether the bond may be canceled on an undisturbed area.

860.200. Collateral Bonds.

860.210. Collateral bonds, except for letters of credit, cash accounts and real property, will be subject to the following conditions:

860.211. The Division will keep custody of collateral deposited by the applicant until authorized for release or replacement as provided in R645-301-870 and R645-301-880;

860.212. The Division will value collateral at its current market value, not at face value;

860.213. The Division will require that certificates of deposit be made payable to or assigned to the Division both in writing and upon the records of the bank issuing the certificates. If assigned, the Division will require the banks issuing these certificates to waive all rights of setoff or liens against those certificates;

860.214. The Division will not accept an individual certificate of deposit in an amount in excess of $100,000 or the maximum insurable amount as determined by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation.

860.220. Letters of credit will be subject to the following conditions:

860.221. The letter may be issued only by a bank organized or authorized to do business in the United States;

860.222. Letters of credit will be irrevocable during their terms. A letter of credit used as security in areas requiring continuous bond coverage will be forfeited and will be collected by the Division if not replaced by other suitable bond or letter of credit at least 30 days before its expiration date;

860.223. The letter of credit will be payable to the Division upon demand, in part or in full, upon receipt from the Division of a notice of forfeiture issued in accordance with R645-301-880.900.

860.230. Real property posted as a collateral bond will meet the following conditions:

860.231. The applicant will grant the Division a first mortgage, first deed of trust, or perfected first lien security interest in real property with a right to sell or otherwise dispose of the property in the event of forfeiture under state law;

860.232. In order for the Division to evaluate the adequacy of the real property offered to satisfy collateral requirements, the applicant will submit a schedule of the real property which will be mortgaged or pledged to secure the obligations under the indemnity agreement. The list will include:

860.232.1. A description of the property;

860.232.2. The fair market value as determined by an independent appraisal conducted by a certified appraiser approved by the Division; and

860.232.3. Proof of possession and title to the real property;

860.233. The property may include land which is part of the permit area; however, land pledged as collateral for a bond under this section will not be disturbed under any permit while it is serving as security under this section.

860.240. Cash accounts will be subject to the following conditions:

860.241. The Division may authorize the operator to supplement the bond through the establishment of a cash account in one or more federally insured or equivalently protected accounts made payable upon demand to, or deposited directly with, the Division. The total bond including the cash account will not be less than the amount required under terms of performance bonds including any adjustments, less amounts released in accordance with R645-301-880;

860.242. Any interest paid on a cash account will be retained in the account and applied to the bond value of the account unless the Division has approved the payment of interest to the operator;

860.243. Certificates of deposit may be substituted for a cash account with the approval of the Division; and

860.244. The Division will not accept an individual cash account in an amount in excess of $100,000 or the maximum insurable amount as determined by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation.

860.250. Bond Value of Collateral.

860.251. The estimated bond value of all collateral posted as assurance under this section will be subject to a margin which is the ratio of bond value to market values, as determined by the Division. The margin will reflect legal and liquidation fees, as well as value depreciation, marketability and fluctuations which might affect the net cash available to the Division to complete reclamation.

860.252. The bond value of collateral may be evaluated at any time, but it will be evaluated as part of the permit renewal and, if necessary, the performance bond amount increased or decreased. In no case will the bond value of collateral exceed the market value.

860.260. Persons with an interest in collateral posted as a bond, and who desire notification of actions pursuant to the bond, will request the notification in writing to the Division at the time collateral is offered.

860.300. Self-Bonding.

860.310. Definitions. Terms used in self-bonding are defined under R645-100-200.

860.320. The Division may accept a self bond from an applicant for a permit if all of the following conditions are met by the applicant or its parent corporation guarantor:

860.321. The applicant designates a suitable agent, resident within the state of Utah, to receive service of process;

860.322. The applicant has been in continuous operation as a business entity for a period of not less than five years. Continuous operation will mean that business was conducted over a period of five years immediately preceding the time of application:

860.322.1. The Division may allow a joint venture or

syndicate with less than five years of continuous operation to qualify under this requirement if each member of the joint venture or syndicate has been in continuous operation for at least five years immediately preceding the time of application;

860.322.2. When calculating the period of continuous operation, the Division may exclude past periods of interruption to the operation of the business entity that were beyond the applicant's control and that do not affect the applicant's likelihood of remaining in business during the proposed coal mining and reclamation operations;

860.323. The applicant submits financial information in sufficient detail to show that the applicant meets one of the following criteria:

860.323.1. The applicant has a current rating for its most recent bond issuance of "A" or higher as issued by either Moody's Investor Service or Standard and Poor's Corporation;

860.323.2. The applicant has a tangible net worth of at least $10 million, a ratio of total liabilities to net worth of 2.5 times or less and a ratio of current assets to current liabilities of 1.2 times or greater; or

860.323.3. The applicant's fixed assets in the United States total at least $20 million and the applicant has a ratio of total liabilities to net worth of 2.5 times or less and a ratio of current assets to current liabilities of 1.2 times or greater; and

860.324. The applicant submits:

860.324.1. Financial statements for the most recently completed fiscal year accompanied by a report prepared by an independent certified public accountant in conformity with generally accepted accounting principles and containing the accountant's audit opinion or review opinion of the financial statements with no adverse opinion;

860.324.2. Unaudited financial statements for completed quarters in the current fiscal year;

860.324.3. Additional unaudited information as requested by the Division; and

860.324.4. Annual reports for the five years immediately preceding the time of application.

860.330. The Division may accept a written guarantee for an applicant's self bond from a parent corporation guarantor, if the guarantor meets the conditions of R645-301-860.321 through R645-301-860.324 as if it were the applicant. Such a written guarantee will be referred to as a "corporate guarantee." The terms of the corporate guarantee will provide for the following:

860.331. If the applicant fails to complete the reclamation plan, the guarantor will do so or the guarantor will be liable under the indemnity agreement to provide funds to the Division sufficient to complete the reclamation plan, but not to exceed the bond amount;

860.332. The corporate guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the applicant and to the Division at least 90 days in advance of the cancellation date, and the Division accepts the cancellation; and

860.333. The cancellation may be accepted by the Division if the applicant obtains a suitable replacement bond before the cancellation date or if the lands for which the self bond, or portion thereof, was accepted have not been disturbed.

860.340. The Division may accept a written guarantee for an applicant's self bond from any corporate guarantor, whenever the applicant meets the conditions of R645-301-860.321, R645-301-860.322, and R645-301-860.324 and the guarantor meets the conditions of R645-301-860.321 through R645-301-860.324 as if it were the applicant. Such a written guarantee will be referred to as a "nonparent corporate guarantee." The terms of this guarantee will provide for compliance with the conditions of R645-301-860.331 through R645-301-860.333. The Division may require the applicant to submit any information specified in R645-301-860-323 in order to determine the financial capabilities of the applicant.

860.350. For the Division to accept an applicant's self bond, the total amount of the outstanding and proposed self bonds of the applicant for coal mining and reclamation operations will not exceed 25 percent of the applicant's tangible net worth in the United States. For the Division to accept a corporate guarantee, the total amount of the parent corporation guarantor's present and proposed self bonds and guaranteed self bonds for surface coal mining and reclamation operations will not exceed 25 percent of the guarantor's tangible net worth in the United States. For the Division to accept a nonparent corporate guarantee, the total amount of the nonparent corporate guarantor's present and proposed self bonds and guaranteed self bonds will not exceed 25 percent of the guarantor's tangible net worth in the United States.

860.360. If the Division accepts an applicant's self bond, an indemnity agreement will be submitted subject to the following requirements:

860.361. The indemnity agreement will be executed by all persons and parties who are to be bound by it, including the parent corporation guarantor, and will bind each jointly and severally;

860.362. Corporations applying for a self bond, and parent and nonparent corporations guaranteeing an applicant's self bond shall submit an indemnity agreement signed by two corporate officers who are authorized to bind their corporations. A copy of such authorization shall be provided to the Division along with an affidavit certifying that such an agreement is valid under all applicable federal and Utah laws. In addition, the guarantor shall provide a copy of the corporate authorization demonstrating that the corporation may guarantee the self bond and execute the indemnity agreement.

860.363. If the applicant is a partnership, joint venture or syndicate, the agreement will bind each partner or party who has a beneficial interest, directly or indirectly, in the applicant;

860.364. Pursuant to R645-301-880.900, the applicant, parent or nonparent corporate guarantor shall be required to complete the approved reclamation plan for the lands in default or to pay to the Division an amount necessary to complete the approved reclamation plan, not to exceed the bond amount.

860.365. The indemnity agreement when under forfeiture will operate as a judgment against those parties liable under the indemnity agreement.

860.370. The Division may require self-bonded applicants, parent and nonparent corporate guarantors to

submit an update of the information required under R645-301-860.323 and R645-301-860-324 within 90 days after the close of each fiscal year following the issuance of the self bond or corporate guarantee.

860.380. If at any time during the period when a self bond is posted, the financial conditions of the applicant, parent, or nonparent corporate guarantor change so that the criteria of R645-301-860.323 and R645-301-860.340 are not satisfied, the permittee will notify the Division immediately and will within 90 days post an alternate form of bond in the same amount as the self bond. Should the permittee fail to post an adequate substitute bond, the provisions of R645-301-840.500 will apply.

870. Replacement of Bonds.

870.100. The Division may allow a permittee to replace existing bonds with other bonds that provide equivalent coverage.

870.200. The Division will not release existing performance bonds until the permittee has submitted, and the Division has approved, acceptable replacement performance bonds. Replacement of a performance bond pursuant to this section will not constitute a release of bond under R645-301-880.100 through R645-301-880.800.

880. Requirement to Release Performance Bonds.

880.100. Bond release application.

880.110. The permittee may file an application with the Division for the release of all or part of a performance bond. Applications may be filed only at times or during seasons authorized by the Division in order to properly evaluate the completed reclamation operations. The times or seasons appropriate for the evaluation of certain types of reclamation will be identified in the approved mining and reclamation plan.

880.120. Within 30 days after an application for bond release has been filed with the Division, the operator will submit a copy of an advertisement placed at least once a week for four successive weeks in a newspaper of general circulation in the locality of the coal mining and reclamation operations. The advertisement will be considered part of any bond release application and will contain the permittee's name, permit number and approval date, notification of the precise location of the land affected, the number of acres, the type and amount of the bond filed and the portion sought to be released, the type and appropriate dates of reclamation work performed, a description of the results achieved as they relate to the operator's approved reclamation plan and the name and address of the Division to which written comments, objections, or requests for public hearings and informal conferences on the specific bond release may be submitted pursuant to R645-301-880.600 and R645-301-880.800. In addition, as part of any bond release application, the applicant will submit copies of letters which he or she has sent to adjoining property owners, local governmental bodies, planning agencies, sewage and water treatment authorities, and water companies in the locality in which the coal mining and reclamation operation took place, notifying them of the intention to seek release from the bond.

880.200. Inspection by the Division.

880.210. Upon receipt of the bond release application, the Division will, within 30 days, or as soon thereafter as weather conditions permit, conduct an inspection and evaluation of the reclamation work involved. The evaluation will consider, among other factors, the degree of difficulty to complete any remaining reclamation, whether pollution of surface and subsurface water is occurring, the probability of future occurrence of such pollution and the estimated cost of abating such pollution. The surface owner, agent or lessee will be given notice of such inspection and may participate with the Division in making the bond release inspection. The Division may arrange with the permittee to allow access to the permit area, upon request of any person with an interest in bond release, for the purpose of gathering information relevant to the proceeding.

880.220. Within 60 days from the filing of the bond release application, if no public hearing is held pursuant to R645-301-880.600, or, within 30 days after a public hearing has been held pursuant to R645-301-880.600, the Division will notify in writing the permittee, the surety or other persons with an interest in bond collateral who have requested notification under R645-301-860.260 and the persons who either filed objections in writing or objectors who were a party to the hearing proceedings, if any, if its decision to release or not to release all or part of the performance bond.

880.300. The Division may release all or part of the bond for the entire permit area if the Division is satisfied that all the reclamation or a phase of the reclamation covered by the bond or portion thereof has been accomplished in accordance with the following schedules for reclamation of Phases I, II and III:

880.310. At the completion of Phase I, after the operator completes the backfilling and regrading (which may include the replacement of topsoil) and drainage control of a bonded area in accordance with the approved reclamation plan, 60 percent of the bond or collateral for the applicable area;

880.320. At the completion of Phase II, after revegetation has been established on the regraded mined lands in accordance with the approved reclamation plan, an additional amount of bond. When determining the amount of bond to be released after successful revegetation has been established, the Division will retain that amount of bond for the revegetated area which would be sufficient to cover the cost of reestablishing revegetation if completed by a third party and for the period specified for operator responsibility in UCA 40-10-17(t) of the Act for reestablishing revegetation. No part of the bond or deposit will be released under this paragraph so long as the lands to which the release would be applicable are contributing suspended solids to streamflow or runoff outside the permit area in excess of the requirements set by UCA 40-10-17(j) of the Act and by R645-301-751 or until soil productivity for prime farmlands has returned to the equivalent levels of yield as nonmined land of the same soil type in the surrounding area under equivalent management practices as determined from the soil survey performed pursuant to UCA 40-10-11(4) of the Act and R645-301-200. Where a silt dam is to be retained as a permanent impoundment pursuant to R645-301-700, the Phase II portion of the bond may be released under this paragraph so long as

provisions for sound future maintenance by the operator or the landowner have been made with the Division; and

880.330. At the completion of Phase III, after the operator has completed successfully all surface coal mining and reclamation operations, the release of the remaining portion of the bond, but not before the expiration of the period specified for operator responsibility in R645-301-357. However, no bond will be fully released under provisions of this section until reclamation requirements of the Act and the permit are fully met.

880.400. If the Division disapproves the application for release of the bond or portion thereof, the Division will notify the permittee, the surety, and any person with an interest in collateral as provided for in R645-301-860.260, in writing, stating the reasons for disapproval and recommending corrective actions necessary to secure the release and allowing an opportunity for a public hearing.

880.500. When an application for total or partial bond release is filed with the Division, the Division will notify the municipality in which the coal mining and reclamation activities are located by certified mail at least 30 days prior to the release of all or a portion of the bond.

880.600. Any person with a valid legal interest which might be adversely affected by release of the bond, or the responsible officer or head of any federal, state, or local governmental agency which has jurisdiction by law or special expertise with respect to any environmental, social or economic impact involved in the operation or which is authorized to develop and enforce environmental standards with respect to such operations, will have the right to file written objections to the proposed release from bond with the Division within 30 days after the last publication of the notice required by R645-301-880.120. If written objections are filed and a hearing is requested, the Division will inform all the interested parties of the time and place of the hearing and will hold a public hearing within 30 days after receipt of the request for the hearing. The date, time and location of the public hearing will be advertised by the Division in a newspaper of general circulation in the locality for two consecutive weeks. The public hearing will be held in the locality of the coal mining and reclamation operations from which bond release is sought, or at the location of the Division office, at the option of the objector.

880.700. For the purpose of the hearing under R645-301-880.600, the Division will have the authority to administer oaths, subpoena witnesses or written or printed material, compel the attendance of witnesses or the production of materials and take evidence including, but not limited to, inspection of the land affected and other surface coal mining operations carried on by the applicant in the general vicinity. A verbatim record of each public hearing will be made and a transcript will be made available on the motion of any party or by order of the Division.

880.800. Without prejudice to the right of an objector or the applicant, the Division may hold an informal conference as provided in UCA 40-10-13(a) of the Act to resolve such written objections. The Division will make a record of the informal conference unless waived by all parties, which will be accessible to all parties. The Division will also furnish all parties of the informal conference with a written finding of the Division based on the informal conference and the reasons for said finding.

880.900. Forfeiture of Bonds.

880.910. If an operator refuses or is unable to conduct reclamation of an unabated violation, if the terms of the permit are not met, or if the operator defaults on the conditions under which the bond was accepted, the Division will take the following action to forfeit all or part of a bond or bonds for any permit area or an increment of a permit area:

880.911. Send written notification by certified mail, return receipt requested, to the permittee and the surety on the bond, if any, informing them of the determination to forfeit all or part of the bond including the reasons for the forfeiture and the amount to be forfeited. The amount will be based on the estimated total cost of achieving the reclamation plan requirements;

880.912. Advise the permittee and surety, if applicable, of the conditions under which forfeiture may be avoided. Such conditions may include, but are not limited to:

880.912.1. Agreement by the permittee or another party to perform reclamation operations in accordance with a compliance schedule which meets the conditions of the permit, the reclamation plan and the State Program and a demonstration that such party has the ability to satisfy the conditions; or

880.912.2. The Division may allow a surety to complete the reclamation plan, or the portion of the reclamation plan applicable to the bonded phase or increment, if the surety can demonstrate an ability to complete the reclamation in accordance with the approved reclamation plan. Except where the Division may approve partial release authorized under R645-301-880.100 through R645-301-880.800, no surety liability will be released until successful completion of all reclamation under the terms of the permit, including applicable liability periods of R645-301-820.300.

880.920. In the event forfeiture of the bond is required by this section, the Division will:

880.921. Proceed to collect the forfeited amount as provided by applicable laws for the collection of defaulted bonds or other debts if actions to avoid forfeiture have not been taken, or if rights of appeal, if any, have not been exercised within a time established by the Division, or if such appeal, if taken, is unsuccessful; and

880.922. Use funds collected from bond forfeiture to complete the reclamation plan, or portion thereof, on the permit area or increment, to which bond coverage applies.

880.930. Upon default, the Division may cause the forfeiture of any and all bonds deposited to complete reclamation for which the bonds were posted. Bond liability will extend to the entire permit area under conditions of forfeiture.

880.931. In the event the estimated amount forfeited is insufficient to pay for the full cost of reclamation, the operator will be liable for remaining costs. The Division may complete, or authorize completion of, reclamation of the bonded area and may recover from the operator all costs of reclamation in excess of the amount forfeited.

880.932. In the event the amount of performance bond

forfeited was more than the amount necessary to complete reclamation, the unused funds will be returned by the Division to the party from whom they were collected.

890. Terms and Conditions for Liability Insurance.

890.100. The Division will require the applicant to submit as part of its permit application a certificate issued by an insurance company authorized to do business in Utah certifying that the applicant has a public liability insurance policy in force for the coal mining and reclamation activities for which the permit is sought. Such policy will provide for personal injury and property damage protection in an amount adequate to compensate any persons injured or property damaged as a result of the coal mining and reclamation operations, including the use of explosives and who are entitled to compensation under the applicable provisions of state law. Minimum insurance coverage for bodily injury and property damage will be $300,000 for each occurrence and $500,000 aggregate.

890.200. The policy will be maintained in full force during the life of the permit or any renewal thereof, including the liability period necessary to complete all reclamation operations under this chapter.

890.300. The policy will include a rider requiring that the insurer notify the Division whenever substantive changes are made in the policy including any termination or failure to renew.

890.400. The Division may accept from the applicant, in lieu of a certificate for a public liability insurance policy, satisfactory evidence from the applicant that it satisfies applicable state self-insurance requirements approved as part of the State Program and the requirements of R645-301-890.100 through R645-301-890.300.

KEY: reclamation, coal mines
September 30, 1998 40-10-1 et seq.
Notice of Continuation June 6, 1997

R651. Natural Resources, Parks and Recreation.
R651-206. Carrying Passengers for Hire.
R651-206-1. Vessel Operator Permit.

(1) As used in this rule: "Operator Permit" means a valid Utah Vessel Operator Permit issued by the division or a valid Coast Guard Motorboat Operator License. The operator permit must be accompanied by a current and original Standard American Red Cross First Aid Card or equivalent and a current and original American Red Cross or American Heart Association "CPR" card.

(2) No person shall operate a vessel engaged in carrying passengers for hire on any lake or reservoir of this state unless the individual has in his possession an Operator Permit or is operating under Section R651-206-2.

(3) To obtain a Utah Vessel Operator Permit, the applicant must be at least 18 years old, complete the prescribed form, possess the required first aid and CPR certification, successfully complete a written examination, pay a $60 fee, and have 80 hours of experience in vessel operation, 20 hours of which was obtained operating an equivalent type and size of vessel which will be used for carriage of passengers. If the applicant fails to pass the written examination, there is a 7-day waiting period and a $15 retest fee per attempt.

(4) A Utah Vessel Operator Permit is valid for three years from date of issue, unless suspended or revoked.

(5) A Utah Vessel Operator Permit may be renewed up to six months prior to expiration, upon completion of the prescribed form, presentation of required first aid and CPR certification, and payment of a $45 fee. The renewed permit shall have the same month and day expiration date as the original permit.

(6) A Utah Vessel Operator Permit which has expired shall not be renewed but is required to obtain a new permit as outlined above.

(7) In the event a Utah Vessel Operator Permit is lost or stolen, a duplicate permit may be issued with the same expiration date as the original permit upon completion of the prescribed form, payment of a $25 fee. An application for a duplicate permit must have original signatures and be accompanied by original documentation of required first aid and CPR certification.

(8) Current Utah Vessel Operator Permit holders shall notify the Division, within 30 days, of any change of address.

(9) A Utah Vessel Operator Permit may be suspended or revoked for a length of time determined by the division director, or individual designated by the division director, if one of the following occurs:

(a) the permit holder is convicted of boating under the influence of alcohol or any drug, or refuses to submit to any chemical test which determines blood or breath alcohol content;

(b) the permit holder's negligence causes personal injury or death as determined by due process of the law;

(c) the permit holder is convicted of three violations of Title 73 Chapter 18 or rules promulgated thereunder during a three-year period; or

(d) the division determines that the permit holder intentionally provided false or fictitious statements or qualifications to obtain the permit.

(10) A person shall not operate an unfamiliar vessel carrying passengers for hire or operate on unfamiliar water unless there is an operator permit holder aboard who is familiar with the vessel and the water area.

(11) A valid Coast Guard Motorboat Operator License must be possessed if engaging in carrying passengers for hire on Bear Lake, Flaming Gorge, or Lake Powell.

R651-206-2. River Guide Permit.

(1) As used in this rule:

(a) "Agent" means a person(s) designated by an outfitting company to act in behalf of that company in certifying a river guide's experience.

(b) "Certifying experience" means river running experience obtained within ten years of the date of application for the guide permit.

(c) "Guide 1" means a nonrestrictive river guide permit.

(d) "Guide 2" means a restricted river guide permit, which is valid only on other rivers.

(e) "Guide 3" means an apprentice river guide permit, which is valid only when the holder is accompanied on the white water river by a qualified Guide 1 permit holder. A Guide 3 permit is also valid on other rivers, but must be accompanied by either a Guide 1 or 2 permit holder.

(f) "Guide 4" means a restricted apprentice river guide permit, which is valid only on other rivers when the holder is accompanied on the trip by a qualified Guide 1 or 2 permit holder.

(g) "Guide permit" means a valid Guide 1, 2, 3, or 4 permit issued by the division for carrying passengers for hire. For a Guide 1 or 2 permit to be valid they must be accompanied by a current "Emergency Response" American Red Cross First Aid Card or equivalent and an American Heart Association or an American Red Cross "CPR" Card. For a Guide 3 or 4 permit to be valid they must be accompanied by a current "Standard" American Red Cross First Aid Card or equivalent and an American Heart Association or an American Red Cross "CPR" Card. A photo copy of both sides of the required first aid and CPR certification cards is allowed.

(h) "Low capacity vessel" means a vessel with a carrying capacity of three or fewer occupants (e.g. canoe, kayak, inflatable kayak or similar vessel.

(i) "Other rivers" means all rivers, river sections, or both in Utah not defined in Subsection R651-202-2(1) as a whitewater river.

(j) "Whitewater river" means the following river sections: the Green and Yampa rivers within Dinosaur National Monument, the Green River in Desolation-Gray Canyon (Mile 96 to Mile 20), the Colorado River in Westwater Canyon, the Colorado River in Cataract Canyon, or other division recognized whitewater rivers in other states.

(2) No person shall operate a vessel engaged in carrying passengers for hire on any river of this state unless that person has in his possession the appropriate valid river guide permit. For low capacity vessels not operated by but led by a guide permit holder, there shall be at least one qualified guide permit holder for every four low capacity vessels being led in

the group.

(3) To qualify for a Guide 1 permit, the applicant must be at least 18 years of age, complete the prescribed form, be current in the required first aid and CPR certification, successfully complete a written examination, pay a $60 fee and have operated a vessel on at least nine whitewater river sections. If the applicant fails to pass the written examination, there is a 7-day waiting period and a $15 retest fee per attempt.

(4) To qualify for a Guide 2 permit, the applicant must be at least 18 years of age, complete the prescribed form, be current in the required first aid and CPR certification, successfully complete a written examination, pay a $60 fee and have operated a vessel on at least six river sections. If the applicant fails to pass the written examination, there is a 7-day waiting period and a $15 retest fee per attempt.

(5) To qualify for a Guide 3 permit, the applicant must be at least 18 years of age, complete the prescribed form, be current in the required first aid and CPR certification, pay a $25 fee and have operated a vessel on at least three whitewater river sections.

(6) To qualify for a Guide 4 permit, the applicant must be at least 18 years of age, complete the prescribed form, be current in the required first aid and CPR certification, pay a $25 fee and have operated a vessel on at least three river sections.

(7) Any person applying for a duplicate, renewal, or a new guide permit shall be employed by or be a prospective employee of an outfitting company currently registered with the division. The applicant shall be sponsored by that outfitting company, or be currently employed and sponsored by a federal, state or county agency. Permit applications must have original signatures and be accompanied by original documentation of required first aid and CPR certification.

(8) Guide 3 and 4 permits shall expire annually on December 31. Guide 1 and 2 permits shall expire three years from date of issuance.

(9) Guide 1 or 2 permits may be renewed up to six months prior to expiration upon completion of the prescribed form, presentation of current guide permit, required first aid and CPR certification, and payment of a $45 fee. The renewed permit shall have the same month and day expiration date as the original permit. Any Guide 1 or 2 permit holder whose permit has expired shall be required to obtain a new Guide 1 or 2 permit as outlined above.

(10) In the event a guide permit is lost or stolen a duplicate guide permit may be issued with the same expiration date as the original permit upon completion of the prescribed form, furnishing the required information as described in (7) above and payment of the required fee. The fee shall be $25 for a Guide 1 or 2 permit, and $15 for a Guide 3 or 4 permit.

(11) All boatman permits issued by the division are expired.

(12) Current Guide Permit holders shall notify the Division, within 30 days, of any change of address.

(13) A guide permit holder shall not carry passengers for hire on his first trip on an unfamiliar river unless there is a qualified Guide 1 or 2 permit holder aboard who has operated a similar vessel on that river segment.

(14) A guide permit may be suspended or revoked for a length of time determined by the division director, or individual designated by the division director, if one of the following occurs:

(a) the guide permit holder is convicted of boating under the influence of alcohol or any drug, or refuses to submit to any chemical test which determines blood or breath alcohol content;

(b) the guide permit holder's negligence causes personal injury or death as determined by due process of the law;

(c) the guide permit holder is convicted of three violations of Title 73 Chapter 18 or rules promulgated thereunder during a three-year period;

(d) the division determines that the guide permit holder intentionally provided false or fictitious statements or qualifications to obtain the guide permit; or

(e) a guide permit holder has utilized a private river trip permit for carrying passengers for hire and has been prosecuted by the issuing agency and found guilty of the violation.

(15) Every outfitting company carrying passengers for hire on any river of this state shall register with the division annually prior to commencement of operation. The registration requires the completion of the prescribed form and providing the following: evidence of registration with the Department of Commerce, evidence of river trip authorization from the appropriate controlling state or federal agency, and payment of a $275 fee.

(16) The agent shall certify and guarantee that each river guide sponsored by the outfitting company that he represents has obtained the necessary experience, as required above, depending on the type of guide permit applied for.

(17) An outfitting company's division registration may be suspended or revoked for a length of time determined by the division director, or individual designated by the division director, if one of the following occurs:

(a) the outfitting company's or agent's negligence caused personal injury or death as determined by due process of the law;

(b) the outfitting company or agent is convicted of three violations of Title 73 Chapter 18 or rules promulgated thereunder during a calendar year period;

(c) false or fictitious statements were certified or false qualifications were used to qualify a person to obtain a guide permit for an employee or others;

(d) the division determines that the outfitting company intentionally provided false or fictitious statements or qualifications when registering with the division;

(e) an outfitting company has utilized a private river trip permit for carrying passengers for hire and have been prosecuted by the issuing agency and found guilty of the violation; or

(f) the outfitting company used a guide without a valid guide permit or without the appropriate guide permit while engaging in carrying passengers for hire.

KEY: boating
December 1, 1998 **73-18-4(4)**
Notice of Continuation February 10, 1997

R651. Natural Resources, Parks and Recreation.
R651-224. Towed Devices.
R651-224-1. Observer Required.

The operator of a vessel which is towing a person on water skis or other devices shall be responsible for maintaining a safe course with proper lookout. The progress of the person under tow shall be reported to the vessel operator by an onboard observer who is at least eight years of age.

R651-224-2. Prohibited After Sunset.

The operator of a vessel shall not tow water skiers or other devices between sunset and sunrise.

R651-224-3. Flag Required.

A flag shall be displayed by the observer in a visible manner to other boaters in the area while the person to be towed is in the water, either preparing to be towed or finishing a tow. The flag shall be international orange at least 12 inches square and mounted on a handle.

R651-224-4. PFD to be Worn.

The operator of a vessel which is towing a person on water skis or other devices shall require each person who is water skiing or using other devices to wear a United States Coast Guard approved personal flotation device (PFD), except an inflatable PFD may not be used.

R651-224-5. Capacity of Towing Vessel.

The operator of a vessel which is towing a person(s) on water skis or other devices shall use a vessel with sufficient carrying capacity, as defined by the manufacturer, for the occupant(s) onboard and the person(s) being towed.

KEY: boating, water skiing*
December 1, 1998 **73-18-15**
Notice of Continuation February 10, 1997

R651. Natural Resources, Parks and Recreation.
R651-227. Boating Safety Course Fees.
R651-227-1. Boating Safety Course Fees.

(1) The fee for the personal watercraft education course is $12.

(2) The fee to replace a lost or stolen personal watercraft education certificate is $5.00.

KEY: boating, safety, course, fee
December 1, 1998 73-18-15(7)(a)

R657. Natural Resources, Wildlife Resources.

R657-34. Procedures for Confirmation of Ordinances on Hunting Closures.

R657-34-1. Purpose and Authority.

(1) Under the authority of Sections 23-14-1 and 23-14-18, this rule provides the standards and procedures for a political subdivision within a community to obtain confirmation from the Wildlife Board to close an area to hunting for reasons of safety.

(2) If a political subdivision of the state adopts an ordinance or policy concerning hunting, fishing, or trapping that conflicts with Title 23, Wildlife Resources Code of Utah, or rules promulgated pursuant thereto, state law shall prevail.

R657-34-2. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition, "Political subdivision" means any municipality, city, county, or other governmental entity which is legally separate and distinct from the state.

R657-34-3. Information Gathering.

(1) Prior to making a request to the Wildlife Board to close an area to hunting the political subdivision shall hold a public hearing within its boundaries for the purpose of disclosing the proposed ordinance or policy and gathering public comment.

(2) The political subdivision shall compile a written summary of the hearing, including the date of the hearing, number of persons in attendance, and public comment.

(3) At least 45 days prior to the Wildlife Board meeting in which the request for a hunting closure shall be made, the political subdivision shall submit the following information to the director of the division:

(a) a draft copy of the proposed ordinance or policy;

(b) a plat map showing the boundaries of the area in which the political subdivision is requesting the closure and the boundaries of the political subdivision;

(c) the safety reasons for the proposed closure; and

(d) the written summary of the public hearing as required in Subsection (2).

(4) The purpose of this section is to provide sufficient information to allow the division to conduct a technical evaluation of the impacts the closure may have on division objectives, administrative rules, game depredation, wildlife management, and public interests.

(5) As the division conducts a technical evaluation of the impacts the closure may have regarding public interests, the division shall gather information and broad input from the appropriate regional advisory councils and the officials of the pertinent political subdivision.

R657-34-4. Wildlife Board Confirmation.

(1) At least 20 days prior to the Wildlife Board meeting in which the request for closure is to be made, the director of the division shall submit the following information to the chairman of the Wildlife Board:

(a) a copy of any information received from the political subdivision, including the information provided in Subsection R657-34-3(3);

(b) the technical evaluation prepared by the division; and

(c) the division's recommendations regarding the closure.

(2) The Wildlife Board shall consider the request for closure in an open public meeting.

(3)(a) At or within a reasonable time after the hearing, the chairman of the Wildlife Board shall notify the political subdivision in writing that the requested closure is confirmed or denied.

(b) If the Wildlife Board denies the requested closure, the notification shall include the reasons for the decision.

(4) If the requested closure is denied, the political subdivision may submit a request for reconsideration of the decision by following the procedures provided in Section R657-2-17. The request for reconsideration is not a prerequisite for judicial review.

(5) The closure shall become effective concurrently with the proposed ordinance or policy.

KEY: wildlife, hunting closures*, game laws
November 19, 1998 23-14-1
Notice of Continuation October 1, 1998 23-14-18

R746. Public Service Commission, Administration.
R746-360. Universal Public Telecommunications Service Support Fund.
R746-360-1. General Provisions.

A. Authorization -- Section 54-8b-15 authorizes the Commission to establish an expendable trust fund, known as the Universal Public Telecommunications Service Support Fund, the "universal service fund," "USF" or the "fund," to promote equitable cost recovery and universal service by ensuring that customers have access to basic telecommunications service at just, reasonable and affordable rates, consistent with the Telecommunications Act of 1996.

B. Purpose -- The purposes of these rules are:

1. to govern the methods, practices and procedures by which:

a. the USF is created, maintained, and funded by end-user surcharges applied to retail rates paid by service end-users;

b. funds are collected for and disbursed from the USF to qualifying telecommunications corporations so that they will provide basic telecommunications service at just, reasonable and affordable rates; and,

2. to govern the relationship between the fund and the trust fund established under 54-8b-12, and establish the mechanism for the phase-out and expiration of the latter fund.

C. Application of the Rules -- The rules apply to all retail providers that provide intrastate public telecommunications services.

R746-360-2. Definitions.

A. Affordable Base Rate (ABR) -- means the monthly per line retail rates, charges or fees for basic telecommunications service which the Commission determines to be just, reasonable, and affordable for a designated support area. The Affordable Base Rate shall be established by the Commission and shall be the rate against which the USF proxy cost model results shall be compared in considering the amount of USF support. The Affordable Base Rate does not include the applicable USF retail surcharge.

B. Average Revenue Per Line -- means the average revenue for each access line computed by dividing all revenue derived from a telecommunications corporation's provision of public telecommunications services in a designated support area by that telecommunications corporation's number of access lines in the designated support area. When a telecommunications corporation does not have access lines in a designated support area, the average revenue per line for that telecommunications corporation will be based on the simple average of the average revenue per line determinations of all other telecommunications corporations which have access lines in the designated support area.

C. Basic Telecommunications Service -- means a local exchange service consisting of access to the public switched network; touch-tone, or its functional equivalent; single-party service with telephone number listed free in directories that are received free; access to operator services; access to directory assistance, lifeline and telephone relay assistance; access to 911 and E911 emergency services; access to long-distance carriers; access to toll limitation services; and other services as may be determined by the Commission.

D. Designated Support Area -- means the geographic area used to determine USF support distributions. A designated support area, or "support area," need not be the same as a USF proxy model's geographic unit. The Commission will determine the appropriate designated support areas for determining USF support requirements.

E. Facilities-Based Provider -- means a telecommunications corporation that uses its own facilities, a combination of its own facilities and essential facilities or unbundled network elements purchased from another telecommunications corporation, or a telecommunications corporation which solely uses essential facilities or unbundled network elements purchased from another telecommunications corporation to provide public telecommunications services.

F. Geographic Unit -- means the geographic area used by a USF proxy cost model for calculating costs of basic local exchange service. The Commission will determine the appropriate geographic area to be used in determining basic local exchange service costs.

G. Net Fund Distributions -- means the difference between the gross fund distribution to which a qualifying telecommunications corporation is entitled and the gross fund surcharge revenues generated by that company, when the former amount is greater than the latter amount.

H. Net Fund Contributions -- means the difference between the gross fund distribution to which a qualifying telecommunications corporation is entitled and the gross fund surcharge revenues generated by that company, when the latter amount is greater than the former amount.

I. Retail Provider -- means telecommunications corporations, interexchange carriers, resellers, alternate operator service providers, commercial mobile radio service providers, radio common carriers, aggregators or any other person or entity providing telecommunications services that are used or consumed by an consumer or end-user.

J. Trust Fund -- means the Trust Fund established by 54-8b-12.

K. USF Proxy Model Costs -- means the average total, jurisdictionally unseparated, cost estimate for basic telecommunications service, in a geographic unit, based on the forward-looking, economic cost proxy model(s) chosen by the Commission. The level of geographic cost disaggregation to be used for purposes of assessing the need for and the level of USF support within a geographic unit will be determined by the Commission.

L. Universal Service Fund (USF or fund) -- means the Universal Public Telecommunications Service Support Fund established by 54-8b-15 and set forth by this rule.

R746-360-3. Transition From 54-8b-12 to 54-8b-15.

A. Phase out of 54-8b-12 Trust Fund and Transfer of Trust Fund Funds -- In order to permit telecommunications corporations to make the transition to the fund created by 54-8b-15 and this rule:

1. The 54-8b-12 Trust Fund mechanisms shall continue until May 31, 1998, upon which date they shall cease. Funds derived from these funding mechanisms will be deposited in

the USF.

2. Balances remaining in the 54-8b-12 Trust Fund as of June 1, 1998, plus remittances of any funds pursuant to the 54-8b-12 Trust Fund shall be transferred to the USF.

B. Two-Year Continuation of Equivalent Trust Fund Funding -- Upon written notification to the Commission, telecommunications corporations that received 54-8b-12 Trust Fund support in 1997 may elect to receive support equivalent to what they would have received from the 54-8b-12 Trust Fund rather than support pursuant to the 54-8b-15 USF. These companies may continue to receive this Trust Fund equivalent support until December 31, 1999. During this time period, these companies may elect to end this equivalent support and begin to receive support pursuant to the 54-8b-15 USF by submitting a written notification to the Commission 30 days prior to the beginning of the 54-8b-15 USF support. Funds for equivalent Trust Fund support will be provided from the USF.

R746-360-4. Duties of Administrator.

A. Selection of Administrator -- The Division of Public Utilities will be the fund administrator. If the Division is unable to fulfill that responsibility, the administrator, who must be a neutral third party, unaffiliated with any fund participant, shall be selected by the Commission.

B. Cost of Administration -- The cost of administration shall be borne by the fund.

C. Access to Books -- Upon reasonable notice, the administrator shall have access to the books of account of all telecommunications corporations and retail providers, which shall be used to verify the intrastate retail revenue assessed in an end-user surcharge, to confirm the level of eligibility for USF support and to ensure compliance with this rule.

D. Maintenance of Records -- The administrator shall maintain the records necessary for the operation of the USF and this rule.

E. Report Forms -- The administrator shall develop report forms to be used by telecommunications corporations and retail providers to effectuate the provisions of this rule and the USF. An officer of the telecommunications corporation or retail provider shall attest to and sign the reports to the administrator.

F. Administrator Reports -- The administrator shall file reports with the Commission containing information on the average revenue per line calculations, projections of future USF needs, analyses of the end-user surcharges and Affordable Base Rates, and recommendations for calculating them for the following 12-month period. The report shall include recommendations for changes in determining basic telecommunications service, designated support areas, geographic units, USF proxy cost models and ways to improve fund collections and distributions.

G. Annual Review -- The administrator, under the direction of the Commission, shall perform an annual review of fund recipients to verify eligibility for future support and to verify compliance with all applicable state and federal laws and regulations.

H. Proprietary Information -- Information received by the administrator which has been determined by the Commission to be proprietary shall be treated in conformance with Commission practices.

I. Information Requested -- Information requested by the administrator which is required to assure a complete review shall be provided within 45 days of the request. Failure to provide information within the allotted time period may be a basis for withdrawal of future support from the USF or other lawful penalties to be applied.

R746-360-5. Application of Fund Surcharges to Customer Billings.

A. Commencement of Surcharge Assessments -- Commencing June 1, 1998, end-user surcharges shall be the source of revenues to support the fund. Surcharges will be applied to intrastate retail rates, and shall not apply to wholesale services.

B. Surcharge Based on a Uniform Percentage of Retail Rates -- The retail surcharge shall be a uniform percentage rate, determined and reviewed annually by the Commission and billed and collected by all retail providers.

C. Initial Surcharge -- The initial surcharge to be assessed beginning June 1, 1998, shall equal one percent of billed intrastate retail rates.

R746-360-6. Fund Remittances and Disbursements.

A. Remitting Surcharge Revenues --

1. Retail providers, not eligible for USF support funds, providing telecommunications services subject to USF surcharges shall collect and remit surcharge revenues to the administrator within 45 days after the end of each month.

2. Retail providers eleigible for USF support funds shall make remittances as follows:

a. Prior to the end of each month, the fund administrator shall inform each qualifying telecommunications corporation of the estimated amount of support that it will be eligible to receive from the USF for that month.

b. Net fund contributions shall be remitted to the administrator within 45 calendar days after the end of each month. If the net amount owed is not received by that date, remedies, including withholding future support from the USF, may apply.

3. The administrator will forward remitted revenues to the Utah State Treasurer's Office for deposit in a USF account.

B. Distribution of Funds -- Net Fund distributions to qualifying telecommunications corporations for a given month shall be made 60 days after the end of that month, unless withheld for failure to maintain qualification or failure to comply with Commission orders or rules.

R746-360-7. Eligibility for Fund Distributions.

A. Qualification --To qualify to receive USF support funds, a telecommunications corporation shall be designated an "eligible telecommunications carrier," pursuant to 47 U.S.C. Section 214(e), be in compliance with Commission orders and rules and have its average revenue per line less than the USF cost proxy model costs for each designated support area in which it desires to qualify to receive support from the fund. Each telecommunications corporation

receiving support shall use that support only to provide basic telecommunications service and any other services or purposes approved by the Commission.

B. Retail Rate Ceiling -- To be eligible, a telecommunications corporation may not charge retail rates in excess of the Commission determined Affordable Base Rate for basic telecommunications service or vary from the terms and conditions determined by the Commission for other telecommunications services for which it receives Universal Service Fund support.

C. Lifeline Requirement -- A telecommunications corporation may qualify to receive distributions from the fund only if it offers Lifeline service on terms and conditions prescribed by the Commission.

D. Exclusion of Resale Providers -- Only facilities-based providers, will be eligible to receive support from the fund. Where service is provided through one telecommunications corporation's resale of another telecommunications corporation's service, support may be received by the latter only.

R746-360-8. Calculation of Fund Distributions.

A. Use of Proxy Cost Models -- The USF proxy cost model(s) selected by the Commission, the Affordable Base Rates, and average revenue per line will be used to determine fund distributions within designated support areas.

B. Impact of Other Funding Sources -- The USF proxy cost estimate for a designated support area will be reduced by the amount that basic telecommunication service costs are recovered through interstate cost allocations, from the federal USF, pursuant to 47 U.S.C. Section 254, or from any other mechanism by which intrastate costs are calculated from total costs.

C. Determination of Support Amounts -- Telecommunications corporations shall use USF funds to support each primary residential line in active service which it furnishes in each designated area for which the monthly intrastate USF proxy model cost exceeds the Affordable Base Rate established for that area. Monies from the fund will equal the numerical difference between USF proxy model cost estimates and the Affordable Base Rate or Average Revenue per line, for the designated support area, whichever is the lesser amount.

D. Lifeline Support -- Eligible telecommunications corporations shall receive additional USF funds to recover any discount granted to lifeline customers, participating in a Commission approved Lifeline program, that is not recovered from federal lifeline support mechanisms.

E. Exemptions -- Telecommunications corporations may petition to receive an exemption for any provision of this rule or to receive additional USF support, for use in designated support areas, to support additional services which the Commission determines to be consistent with universal service purposes and permitted by law.

R746-360-9. One-Time Distributions From the Fund.

A. Applications for One-Time Distributions -- Telecommunications corporations or potential customers not presently receiving service may apply to the Commission for one-time distributions from the fund for extension of service to a customer, or customers, not presently served. These distributions are to be made only in extraordinary circumstances, when traditional methods of funding and service provision are infeasible.

1. In considering the one-time distribution application, the Commission will examine relevant factors including the type and grade of service to be provided, the cost of providing the service, the demonstrated need for the service, whether the customer is within the service territory of a telecommunications corporation, the provisions for service or line extension currently available, and whether the one-time distribution is in the public interest.

B. Maximum Amount -- The maximum one-time distribution will be no more than that required to make the net investment equivalent to the relevant proxy model cost estimate.

C. Impact of Distribution on Rate of Return Companies -- A one-time distribution from the fund shall be recorded on the books of a rate base, rate of return regulated LEC as an aid to construction and treated as an offset to rate base.

D. Notice and Hearing -- Following notice that a one-time distribution application has been filed, a LEC may request a hearing or seek to intervene to protect its interests.

E. Bidding for Unserved Areas -- A telecommunications corporation will be selected to serve in an unserved area on the basis of a competitive bid. The estimated amount of the one-time distribution will be considered in evaluating each bid. Fund distributions in that area will be based on the winning bid.

R746-360-10. Altering the USF Charges and the End-User Surcharge Rates.

The uniform surcharge shall be adjusted periodically to minimize the difference between amounts received by the fund and amounts disbursed.

R746-360-11. Support for Schools, Libraries, and Health Care Facilities. Calculation of Fund Distributions.

The Universal Service Fund rules for schools, libraries and health care providers, as prescribed by the Federal Communications Commission in Docket 96-45, 97-157 Sections X and XI, paragraphs 424 - 749, of Order issued May 8, 1996, and CFR Sections 54.500 through 54.623 inclusive, incorporated by this reference, is the prescribed USF method that shall be employed in Utah. Funding shall be limited to funds made available through the federal universal service fund program.

KEY: public utilities, telecommunications, universal service*

November 25, 1998 **54-7-25**
54-7-26
54-8b-12
54-8b-15

R907. Transportation, Administration.
R907-40. External Relations.
R907-40-1. Informing Citizens, Government Agencies, Nondiscrimination.

The citizens of the State of Utah shall be kept informed by the Office of Community Relations of the plans and programs of the Utah Department of Transportation and the Department's progress in accomplishing these plans and programs.

Other government agencies, officials, interested citizens and citizen groups affected by the Department's plans and programs shall be informed and consulted with through the Office of Community Relations to insure a high degree of coordination by all parties interested in the development of Utah's highway system.

Particular effort shall be taken by the Office of Community Relations to notify and involve minority groups. The Department shall insure that its programs do not have the purpose or effect of excluding persons from or denying them the benefits of departmental programs on the grounds of race, color, creed, national origin, age or disability.

KEY: public information, government information resources
1987 63-49-1
Notice of Continuation November 10, 1998

R982. Workforce Services, Administration.
R982-301. Councils.
R982-301-101. General Definitions.

1. Employer. This rule adopts the definition of employer as used in Section 35A-4-203 except that for purposes of this rule, and for purposes of membership on the State Council on Workforce Services or a Regional Council on Workforce Services, an employer shall be a for-profit enterprise.

2. Median sized employer. The median sized employer shall be calculated, based on the previous calendar year, by the Division of Workforce Information and Payment Services each June 30. The median sized employer in a region is determined by arranging the establishments in an array by number of employees including the number of employees in each employer size interval, and choosing the employer in the array that employs the middle employee. The median sized employer in the state is determined similarly.

3. Attendance. Pursuant to Subsection 35A-2-103(6)(b), a council member may be considered present at the meeting when given permission by the council chair to participate in the business of the meeting by videoconference or teleconference.

4. Conflict of Interest. Prior to voting on any matter before a council, a council member must disclose and declare for the council records any direct financial benefit the member would receive from a matter being considered by the council.

R982-301-102. State Council on Workforce Services.

1. Authority. As required by Subsections 35A-1-206(2)(a)(iv)(A) and 35A-1-206(2)(a)(iv)(B), this rule defines Small Employers and Large Employers for membership on the State Council on Workforce Services.

2. Definitions.

a. "Small employer" means an employer who employs fewer employees than the median sized employer in the state.

b. "Large employer" means an employer who employs a number of employees that is greater than or equal to the median sized employer in the state.

c. "Median Sized Employer" as used in R982-301-102(2)(a) and R982-301-102(2)(b) is based solely on the number of employees an employer has in his/her employ in the state during the calendar year.

R982-301-103. Regional Councils on Workforce Services.

1. Authority. As required by Sections 35A-2-103(2)(a)(i) and 35A-2-103(2)(a)(ii) this rule defines small employers and large employers for membership on the Regional Councils on Workforce Services.

2. Definitions.

a. "Small employer" means an employer who employs fewer employees than the median sized employer in the region.

b. "Large employer" means an employer who employs a number of employees that is greater than or equal to the median sized employer in the region.

c. "Median Sized Employer" as used in R982-301-103(2)(a) and R982-301-103(2)(b) is based solely on the number of employees an employer has in his/her employ in the region during the calendar year.

3. Voting. A voting member of a regional council must either be present at a council meeting to vote or, if unable to attend a council meeting, may submit to a regional director in writing 24 hours in advance of a council meeting the member's vote on a specific matter or proposal before the council.

4. Council Leadership. A chair of a regional council may, in consultation with the regional director, appoint members of the council to be the vice chair or second vice chair to serve in leadership positions at the direction of the chair. The vice chair and second vice chair shall be representatives of private sector employers.

KEY: councils
May 18, 1998
35A-1-104(1)
35A-1-206(2)(a)(iv)(A)
35A-1-206(2)(a)(iv)(B)
35A-2-103(2)(a)(i)
35A-2-103(2)(a)(ii)